

CADALYST Systems Benchmark														2010 Test version 5.3; Jan-2010							
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														2012 Test version 5.4; Jul-2011							
ID	Platform	AutoCAD version	AutoCAD vertical	AutoCAD 32/64bit	Graphic Window size	Test Date	Computer Brand	CPU Type	System RAM	Graphics Card	Graphics Card driver	Number of Test Loops	Comment	Total Index	3D Index	2D Index	Disk Index	CPU Index	Single Loop Time (minutes)	CAD.de Link	Details
1	Microsoft Windows NT Version 5.1 (x86)	18.0s	ACA als AutoCAD	32	1436x530 pixels	05-04-10 (9:15pm)	Dell Precision M4400	Intel Core 2 Duo P8400 2.26GHz	3,48 GB	NVidia Quadro FX 770M	191.00	1	HwAcc ON-Autodesk	226	476	195	70	162	31	Link zum Beitrag	Details
2	Microsoft Windows NT Version 6.1 (x64)	18.1s	Map 3D	64	1276x741 pixels	04-30-10 (10:14am)	DELL VOSTRO 430	Core i7-860 / 2800 Mhz	6,14 GB	1GB NVIDIA GeForce GTS 240	186.27	1	HwAcc OFF	161	50	243	149	204	107	Link zum Beitrag	Details
3	Microsoft Windows NT Version 6.0 (x86)	18.0s	???	32	1539x966 pixels	04-30-10 (12:41am)	Caretta Eigenbau	Core Duo E8400 3,00 GHz	4,00 GB	Nvidia Quadro FX 1700	191.66 (8.16.11.9166	1	HwAcc ON	242	382	280	91	214	28	Link zum Beitrag	Details
4	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1637x739 pixels	04-30-10 (1:16pm)	Intel Core2Duo T9300 2.5GHz	4,00 GB	nVidia 9650M GS	197.16	1	HwAcc ON-Autodesk	199	407	132	78	178	37	Link zum Beitrag	Details	
5	Microsoft Windows NT Version 6.1 (x86)	18.0s	C3D als AutoCAD	32	1256x713 pixels	04-30-10 (12:43am)	-	i5 CPU 670@3.47 GHz	8,00 GB	Nvidia Quadro FX 3800	8.17.11.9754	1	HwAcc ON-nvd310.hdi	359	767	257	147	267	19	Link zum Beitrag	Details
6	Microsoft Windows NT Version 6.1 (x86)	18.0s	C3D als AutoCAD	32	1276x731 pixels	04-30-10 (3:58pm)	-	i5 CPU 670@3.47 GHz	8,00 GB	Nvidia Quadro FX 3800	8.17.11.9754	1	HwAcc ON-Direct3D.hdi	336	677	257	147	262	21	Link zum Beitrag	Details
7	Microsoft Windows NT Version 6.1 (x64)	18.1s	Map 3D	64	1276x741 pixels	04-30-10 (1:32pm)	DELL VOSTRO 430	Core i7-860 / 2800 Mhz	6,14 GB	1GB NVIDIA GeForce GTS 240	186.27	1	HwAcc ON	294	593	208	159	216	22	Link zum Beitrag	Details
8	Microsoft Windows NT Version 5.1 (x86)	18.0s	???	32	1276x885 pixels	05-03-10 (8:09am)	DELL Optiplex 960	Core 2 Duo, E8400, 3 GHz	3,25 GB	ATI Radeon HD 4650	8.582.0.0	1	HwAcc ON	205	227	289	82	225	43	Link zum Beitrag	Details
9	Microsoft Windows NT Version 6.1 (x64)	18.0s	Map 3D	64	1656x655 pixels	05-03-10 (3:59pm)	-	Intel Core 4 (660 @2.4 Ghz)	4,00 GB	Nvidia Quadro FX 1700	Standard	1	HwAcc ON	-	-	134	85	168	23	Link zum Beitrag	Details
10	Microsoft Windows NT Version 5.1 (x86)	18.1s	AutoCAD	32	1916x929 pixels	05-06-10 (6:13pm)	Terra	Core 2 Duo, E6600, 2.4GHz	2GB 667MHz	nVidia Quadro NVS 285 256MB	6.14.11.9728	1	HwAcc OFF	127	121	186	66	134	360	Link zum Beitrag	Details
11	Microsoft Windows NT Version 5.1 (x86)	18.1s	AutoCAD	32	1199x852 pixels	05-05-10 (9:56pm)	Armor	Core 2 Duo, E6450, 2.13GHz	4GB 800MHz	nVidia 8600 GT 512MB 1280x1024	6.14.11.7813	1	HwAcc ON	163	254	188	71	140	47	Link zum Beitrag	Details
12	Microsoft Windows NT Version 5.1 (x86)	18.1s	AutoCAD	32	1199x852 pixels	05-05-10 (9:04pm)	Armor	Core 2 Duo, E6450, 2.13GHz @3.0GHz	4GB 800MHz	nVidia 8600 GT 512MB 1280x1024	6.14.11.7813	1	HwAcc ON	218	338	259	81	193	40	Link zum Beitrag	Details
13	Microsoft Windows NT Version 6.1 (x86)	18.0s	C3D als AutoCAD	32	1828x922 pixels	05-07-10 (4:29pm)	selfbuild	AMD 945 C3	4GB DDR3-1333	Nvidia Quadro FX 580	191.78	1	HwAcc ON-nv3d	258	505	214	109	206	25	Link zum Beitrag	Details
14	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1855x901 pixels	05-08-10 (7:42pm)	HP Z600	2x Intel Xeon E5530 2,4 Ghz	16 GB	Nvidia Quadro FX 1800	-	1	HwAcc ON	263	530	182	154	184	25	Link zum Beitrag	Details
15	Windows XP Prof. x64 Edition 2003 SP2	18.1s	C3D als AutoCAD	64	1596x898 pixels	05-14-10 (10:38am)	Dell OPTIPLEX 960 MT	Intel Core 2 Duo E8400 @3.00GHz	7,87 GB	ATI Radeon HD 4650	8.591.0.0	1	HwAcc ON	246	398	268	97	220	28	Link zum Beitrag	Details
16	Microsoft Windows NT Version 6.1 (x64)	18.1s	ACA ???	64	1576x869 pixels	05-05-10 (11:14am)	HP DC7700	Intel Core 2 6300@1.86GHz	2,00 GB	nVidia GeForce7600GT, 256MB RAM	197.13	1	HwAcc ON	136	299	144	81	101	73	Link zum Beitrag	Details
17	Microsoft Windows NT Version 6.1 (x64)	18.1s	ACA ???	64	1576x869 pixels	05-12-10 (3:11pm)	HP DC7700	Intel Core 2 6300@1.86GHz	4,00 GB	nVidia GeForce7600GT, 256MB RAM	197.13	1	HwAcc ON	134	233	108	91	104	76	Link zum Beitrag	Details
18	Microsoft Windows NT Version 5.1 (x86)	18.1s	ACA ???	32	1584x901 pixels	05-05-10 (4:12pm)	HP DC7800	Intel Core 2 duo E6570@2.66Hz	2,00 GB	nVidia GeForce 9600GT, 512MB Ram	175.16	1	HwAcc ON	192	288	224	83	172	39	Link zum Beitrag	Details
19	Microsoft Windows NT Version 6.1 (x64)	18.0s	AutoCAD	64	1916x802 pixels	05-14-10 (2:49pm)	Dell Precision M4400	Intel Core 2 Duo T7500 2,20GHz	4,00 GB	nVidia Quadro FX 360M	197.16	1	HwAcc ON	185	292	191	93	165	38	Link zum Beitrag	Details
20	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1916x859 pixels	05-14-10 (6:49pm)	Dell Precision M4400	Intel Core 2 Duo T7500 2,20GHz	4,00 GB	nVidia Quadro FX 360M	197.16	1	HwAcc ON	176	270	191	90	153	43	Link zum Beitrag	Details
21	Microsoft Windows NT Version 5.1 (x86)	18.0s	???	32	1272x848 pixels	05-01-10 (6:53pm)	-	Intel Core 2Duo CPU E6750 @ 2.66 GHz	3,25 GB	nVidia GeForce 8800 GTX	196.21	1	HwAcc ON-Direct3D	259	554	178	108	196	28	Link zum Beitrag	Details
22	Microsoft Windows NT Version 5.1 (x86)	18.0s	???	32	1272x848 pixels	05-01-10 (7:31pm)	-	Intel Core 2Duo CPU E6750 @ 2.66 GHz	3,25 GB	nVidia GeForce 8800 GTX	196.21	1	HwAcc ON-Autodesk	250	528	171	108	194	28	Link zum Beitrag	Details
23	Microsoft Windows NT Version 5.1 (x86)	18.0s	???	32	2044x950 pixels	05-17-10 (12:13am)	Lenovo	Intel Xeon W3520 2.67GHz	4,00 GB	nVidia Quadro FX 1800	197.28	1	HwAcc ON-nvd310.hdi	328	688	272	138	214	19	Link zum Beitrag	Details
24	Microsoft Windows NT Version 5.1 (x86)	18.0s	???	32	2032x909 pixels	05-17-10 (3:32pm)	Lenovo	Intel E8500@ 3,16GHz	3,00 GB	nVidia Quadro FX 580	182.46	1	HwAcc ON-Autodesk	237	319	281	112	236	27	Link zum Beitrag	Details
25	Microsoft Windows NT Version 6.1 (x64)	18.0s	Map 3D	64	1676x671 pixels	05-17-10 (2:05pm)	Lenovo	Intel Core 2 Quad CPU (Q6600 @2.4 Ghz)	4,00 GB	nVidia Quadro FX 1700	Standard	1	HwAcc ON-Autodesk	196	382	139	85	179	35	Link zum Beitrag	Details
26	Microsoft Windows NT Version 6.1 (x64)	18.1s	Map 3D	64	1256x669 pixels	05-17-10 (7:42pm)	-	Intel Core 2 6600 2,4 Ghz	3,12 GB	nVidia GeForce 8600 GTS	196.21	1	HwAcc ON-Autodesk	191	407	134	84	137	35	Link zum Beitrag	Details
27	Microsoft Windows NT Version 6.1 (x64)	18.1s	???	64	1576x869 pixels	05-12-10 (3:11pm)	HP DC7700	Intel Core 2 6300@1.86GHz	4,00 GB	nVidia GeForce7600GT, 256MB RAM	197.13	1	HwAcc ON	134	233	108	91	104	76	Link zum Beitrag	Details
28	Microsoft Windows NT Version 5.1 (x86)	18.1s	???	32	1584x903 pixels	05-14-10 (4:07pm)	HP DC7700	Intel Core 2 6300@1.86GHz	4,00 GB	nVidia GeForce7600GT, 256MB RAM	197.13	1	HwAcc ON	142	210	152	94	113	69	Link zum Beitrag	Details
29	Microsoft Windows NT Version 5.1 (x86)	18.0s	AutoCAD	32	1598x843 pixels	05-19-10 (10:41am)	-	Intel Core2 E8600 3,33GHz	3,20 GB	nVidia GeForce GTX 260	182.50	1	HwAcc ON	305	641	222	110	247	24	Link zum Beitrag	Details
30	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1916x758 pixels	05-31-10 (9:2pm)	Dell Precision M4500	Intel Core i7 Q720	4,00 GB	nVidea Quadro FX 880M	197.16 WHQL	1	HwAcc ON	219	380	208	129	161	35	Link zum Beitrag	Details
31	Microsoft Windows NT Version 5.1 (x86)	17.0s	AutoCAD	32	1388x708 pixels	05-24-10 (10:15pm)	-	Intel E8400 3,0GHz	4,00 GB	ATI1950 512RAM	-	1	HwAcc ON	-	-	291	134	194	13	Link zum Beitrag	Details
32	Microsoft Windows NT Version 5.1 (x86)	18.0s	AutoCAD	32	1205x586 pixels	05-09-10 (8:55pm)	-	VM (reale Maschine mit Intel T6400 2GHz)	1,50.												

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1436x530 pixels
 Test Date (Time) : 05-04-10 (9:15pm)
 Computer Brand : Dell Precision M4400
 CPU Type : Intel Core 2 Duo P8400 2.26GHz
 System RAM : 3.48GB
 Graphics Card : NVidia Quadro FX 770M
 Graphics Card driver : 6.14.11.9100
 Number of Test Loops : 1
 Comment : HWB-Autodesk

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 345 357 306 274 317
 Rotate Hidden (3D) : 494 493 719 415 509
 Rotate Conceptual (3D) : 489 474 718 400 497
 Rotate Realistic (3D) : 909 561 743 374 579
 2D Array/save (Disk) : 56 51 58 51 54
 DXFout (Disk) : 130 151 179 97 132
 Save Drawing (Disk) : 73 54 62 53 60
 Calculations (CPU) : 135 174 175 172 162
 Ortho lines (2D) : 299 317 326 342 320
 Radial plines (2D) : 249 268 278 291 271
 Text and Blocks (2D) : 103 109 109 115 109
 Erase/Zoom (2D) : 205 208 226 247 220
 - - - - -
 Individual Dwg Index 238 226 268 202

 C2010 Total Index = 226

 3D Graphics Index = 476
 2D Graphics Index = 195
 Disk Index = 70
 CPU Index = 162

 (Single Loop Time = 31 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)
 - - - - -
 Rotate Wireframe (3D) : 14.8 18.8 8.8 75.4 29.4
 Rotate Hidden (3D) : 21.7 26.2 15.5 103.6 41.7
 Rotate Conceptual (3D) : 21.9 27.2 15.6 107.5 43.0
 Rotate Realistic (3D) : 9.8 24.5 10.5 160.1 51.2
 2D Array/save (Disk) : 53.4 54.5 50.0 55.0 53.2
 DXFout (Disk) : 31.5 29.7 17.6 43.2 30.5
 Save Drawing (Disk) : 38.6 48.1 46.3 51.4 46.1
 Calculations (CPU) : 28.8 22.5 22.5 22.6 24.1
 Ortho lines (2D) : 36.8 25.4 40.1 21.2 30.9
 Radial plines (2D) : 37.0 30.5 28.3 30.8 31.7
 Text and Blocks (2D) : 32.8 28.4 47.3 33.8 35.6
 Erase/Zoom (2D) : 37.3 37.6 32.9 29.0 34.2
 - - - - -
 Average Test Time By DWG = 30.3 31.1 27.9 61.1
 Average Test Time = 37.6

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1276x741 pixels
 Test Date (Time) : 04-30-10 (10:14am)
 Computer Brand : DELL VOSTRO 430
 CPU Type : Core i7-860 / 2800 Mhz
 System RAM : 6144
 Graphics Card : 1GB NVIDIA GeForce® GTS 240 DVI+DVI+S-video
 Graphics Card driver : 186.27
 Number of Test Loops : 1
 Comment : ---

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	91	53	76	60	67
Rotate Hidden (3D) :	50	49	58	64	55
Rotate Conceptual (3D) :	48	46	57	57	52
Rotate Realistic (3D) :	26	32	19	57	28
2D Array/save (Disk) :	100	103	125	108	108
DXFout (Disk) :	327	405	418	259	340
Save Drawing (Disk) :	136	119	134	115	125
Calculations (CPU) :	206	203	205	201	204
Ortho lines (2D) :	421	400	584	429	449
Radial plines (2D) :	237	261	435	293	291
Text and Blocks (2D) :	128	133	168	136	140
Erase/Zoom (2D) :	236	266	360	261	274
-----	-----	-----	-----	-----	-----
Individual Dwg Index	155	155	185	159	

 C2010 Total Index = 161

 3D Graphics Index = 50
 2D Graphics Index = 243
 Disk Index = 149
 CPU Index = 204

 (Single Loop Time = 107 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	56.0	127.3	35.7	344.8	140.9
Rotate Hidden (3D) :	213.8	264.8	191.2	671.3	335.3
Rotate Conceptual (3D) :	224.2	279.5	195.9	750.6	362.6
Rotate Realistic (3D) :	345.6	432.7	418.8	1048.6	561.4
2D Array/save (Disk) :	30.1	26.8	23.4	25.8	26.6
DXFout (Disk) :	12.5	11.1	7.5	16.2	11.8
Save Drawing (Disk) :	20.7	21.8	21.5	23.9	22.0
Calculations (CPU) :	18.9	19.3	19.2	19.3	19.2
Ortho lines (2D) :	26.1	20.1	22.4	17.0	21.4
Radial plines (2D) :	38.9	31.3	18.1	30.5	29.7
Text and Blocks (2D) :	26.3	23.3	30.6	28.6	27.2
Erase/Zoom (2D) :	32.4	29.4	20.6	27.5	27.5
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Average Test Time By DWG =	87.1	107.3	83.8	250.3	
Average Test Time =	132.1				

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OS Platform : Microsoft Windows NT Version 6.0 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1539x966 pixels
 Test Date (Time) : 04-30-10 (12:41am)
 Computer Brand : --- Caretta Eigenbau
 CPU Type : --- Core Duo E8400 3,00 GHz
 System RAM : --- 4,00 GB
 Graphics Card : --- Nvidia Quadro FX1700
 Graphics Card driver : --- 191.66 (8.16.11.9166)
 Number of Test Loops : 1
 Comment : 32 bit

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 138 97 92 252 124
 Rotate Hidden (3D) : 554 591 838 510 602
 Rotate Conceptual (3D) : 551 568 834 494 588
 Rotate Realistic (3D) : 210 203 151 412 213
 2D Array/save (Disk) : 73 66 77 61 69
 DXFout (Disk) : 262 326 326 205 270
 Save Drawing (Disk) : 82 63 74 59 68
 Calculations (CPU) : 213 216 217 212 214
 Ortho lines (2D) : 517 462 580 482 506
 Radial plines (2D) : 411 354 471 384 400
 Text and Blocks (2D) : 139 134 168 148 146
 Erase/Zoom (2D) : 320 311 377 343 336
 - - - - -
 Individual Dwg Index 237 231 279 246

 C2010 Total Index = 242

 3D Graphics Index = 382
 2D Graphics Index = 280
 Disk Index = 91
 CPU Index = 214

 (Single Loop Time = 28 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)
 - - - - -
 Rotate Wireframe (3D) : 36.9 69.2 29.2 81.9 54.3
 Rotate Hidden (3D) : 19.3 21.8 13.3 84.2 34.7
 Rotate Conceptual (3D) : 19.5 22.7 13.4 87.0 35.6
 Rotate Realistic (3D) : 42.7 67.8 51.5 145.3 76.8
 2D Array/save (Disk) : 40.9 41.7 38.0 45.6 41.6
 DXFout (Disk) : 15.6 13.8 9.6 20.4 14.9
 Save Drawing (Disk) : 34.4 41.0 39.0 46.5 40.2
 Calculations (CPU) : 18.3 18.1 18.2 18.3 18.2
 Ortho lines (2D) : 21.3 17.4 22.5 15.1 19.1
 Radial plines (2D) : 22.4 23.1 16.7 23.3 21.4
 Text and Blocks (2D) : 24.4 23.2 30.6 26.4 26.1
 Erase/Zoom (2D) : 23.9 25.1 19.7 20.9 22.4
 - - - - -
 Average Test Time By DWG = 26.6 32.1 25.2 51.2
 Average Test Time = 33.8

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1637x739 pixels
 Test Date (Time) : 04-30-10 (1:16pm)
 Computer Brand : acer Aspire 8920
 CPU Type : Intel Core2Duo T9300 2.5GHz
 System RAM : 4GB
 Graphics Card : nVidia 9650M GS
 Graphics Card driver : 197.16
 Number of Test Loops : 1
 Comment : Win7 X64 (HwAccON - Autodesk)

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index

 Rotate Wireframe (3D) : 315 272 256 243 269
 Rotate Hidden (3D) : 600 526 907 474 590
 Rotate Conceptual (3D) : 607 551 901 490 605
 Rotate Realistic (3D) : 229 173 80 562 163
 2D Array/save (Disk) : 49 58 66 52 56
 DXFout (Disk) : 236 294 288 184 242
 Save Drawing (Disk) : 76 57 65 53 61
 Calculations (CPU) : 181 173 181 178 178
 Ortho lines (2D) : 272 206 328 229 251
 Radial plines (2D) : 137 100 214 129 134
 Text and Blocks (2D) : 92 98 101 83 93
 Erase/Zoom (2D) : 107 108 141 139 121

 Individual Dwg Index 207 187 242 204

 C2010 Total Index = 199

 3D Graphics Index = 407
 2D Graphics Index = 132
 Disk Index = 78
 CPU Index = 178

 (Single Loop Time = 37 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)

 Rotate Wireframe (3D) : 16.2 24.7 10.5 84.9 34.1
 Rotate Hidden (3D) : 17.8 24.5 12.3 90.5 36.3
 Rotate Conceptual (3D) : 17.6 23.4 12.4 87.7 35.3
 Rotate Realistic (3D) : 39.1 79.4 97.7 106.5 80.7
 2D Array/save (Disk) : 61.3 47.5 44.2 53.4 51.6
 DXFout (Disk) : 17.3 15.3 10.9 22.8 16.6
 Save Drawing (Disk) : 37.2 45.7 44.1 52.3 44.8
 Calculations (CPU) : 21.5 22.6 21.8 21.7 21.9
 Ortho lines (2D) : 40.4 39.1 39.9 31.7 37.8
 Radial plines (2D) : 67.2 82.1 36.8 69.6 63.9
 Text and Blocks (2D) : 36.9 31.5 50.8 46.8 41.5
 Erase/Zoom (2D) : 71.4 72.5 52.8 51.7 62.1

 Average Test Time By DWG = 37.0 42.3 36.2 60.0
 Average Test Time = 43.9

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OS Platform : Microsoft Windows NT Version 6.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1256x713 pixels
 Test Date (Time) : 04-30-10 (12:43am)
 Computer Brand : ---
 CPU Type : i5 CPU 670@3.47 GHz
 System RAM : 8GB
 Graphics Card : FX3800
 Graphics Card driver : 8.17.11.9754
 Number of Test Loops : 1
 Comment : nvd3d10.hdi

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	523	489	449	384	455
Rotate Hidden (3D) :	861	870	1175	675	862
Rotate Conceptual (3D) :	866	856	1181	658	853
Rotate Realistic (3D) :	1114	1168	971	598	898
2D Array/save (Disk) :	122	114	117	110	115
DXFout (Disk) :	278	339	331	215	281
Save Drawing (Disk) :	146	120	123	106	122
Calculations (CPU) :	267	269	270	263	267
Ortho lines (2D) :	481	403	564	438	464
Radial plines (2D) :	392	338	465	367	385
Text and Blocks (2D) :	147	145	166	157	153
Erase/Zoom (2D) :	202	202	265	278	232
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Individual Dwg Index	378	374	414	310	

 C2010 Total Index = 359

 3D Graphics Index = 767
 2D Graphics Index = 257
 Disk Index = 147
 CPU Index = 267

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	9.7	13.7	6.0	53.7	20.8
Rotate Hidden (3D) :	12.4	14.8	9.5	63.6	25.1
Rotate Conceptual (3D) :	12.4	15.1	9.5	65.3	25.6
Rotate Realistic (3D) :	8.0	11.8	8.0	100.1	32.0
2D Array/save (Disk) :	24.6	24.2	25.1	25.4	24.8
DXFout (Disk) :	14.7	13.2	9.5	19.5	14.2
Save Drawing (Disk) :	19.2	21.6	23.5	26.0	22.6
Calculations (CPU) :	14.6	14.6	14.6	14.7	14.6
Ortho lines (2D) :	22.9	20.0	23.2	16.6	20.7
Radial plines (2D) :	23.5	24.2	16.9	24.4	22.3
Text and Blocks (2D) :	23.0	21.4	30.9	24.8	25.0
Erase/Zoom (2D) :	37.9	38.6	28.0	25.8	32.6
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	18.6	19.4	17.1	38.3	
Average Test Time =	23.3				

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OS Platform : Microsoft Windows NT Version 6.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1276x731 pixels
 Test Date (Time) : 04-30-10 (3:58pm)
 Computer Brand : ---
 CPU Type : i5
 System RAM : 8GB
 Graphics Card : FX3800
 Graphics Card driver : ---
 Number of Test Loops : 1
 Comment : Direkt 3D.hdi

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	522	481	443	300	417
Rotate Hidden (3D) :	755	798	1169	615	791
Rotate Conceptual (3D) :	754	772	1171	595	776
Rotate Realistic (3D) :	1083	947	945	405	726
2D Array/save (Disk) :	121	114	116	109	115
DXFout (Disk) :	275	335	332	211	278
Save Drawing (Disk) :	146	119	124	112	124
Calculations (CPU) :	262	263	265	258	262
Ortho lines (2D) :	477	398	563	437	461
Radial plines (2D) :	393	336	468	368	385
Text and Blocks (2D) :	147	147	166	158	154
Erase/Zoom (2D) :	201	201	267	277	232
-----	-----	-----	-----	-----	-----
Individual Dwg Index	361	348	411	284	

 C2010 Total Index = 336

 3D Graphics Index = 677
 2D Graphics Index = 257
 Disk Index = 147
 CPU Index = 262

 (Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	9.8	14.0	6.1	68.8	24.7
Rotate Hidden (3D) :	14.2	16.1	9.6	69.8	27.4
Rotate Conceptual (3D) :	14.2	16.7	9.5	72.2	28.2
Rotate Realistic (3D) :	8.3	14.5	8.2	147.9	44.7
2D Array/save (Disk) :	24.8	24.1	25.1	25.6	24.9
DXFout (Disk) :	14.9	13.4	9.5	19.9	14.4
Save Drawing (Disk) :	19.3	21.7	23.3	24.6	22.2
Calculations (CPU) :	14.9	14.9	14.9	15.0	14.9
Ortho lines (2D) :	23.1	20.2	23.2	16.6	20.8
Radial plines (2D) :	23.4	24.4	16.8	24.4	22.2
Text and Blocks (2D) :	22.9	21.1	30.9	24.6	24.9
Erase/Zoom (2D) :	37.9	38.8	27.8	25.8	32.6
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	19.0	20.0	17.1	44.6	
Average Test Time =	25.2				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1276x741 pixels
 Test Date (Time) : 04-30-10 (1:32pm)
 Computer Brand : DELL VOSTRO 430
 CPU Type : Core i7-860 / 2800 Mhz
 System RAM : 6144
 Graphics Card : 1GB NVIDIA GeForce® GTS 240 DVI+DVI+S-video
 Graphics Card driver : 186.27
 Number of Test Loops : 1
 Comment : mit Hardwarebeschleunigung

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	445	623	405	354	437
Rotate Hidden (3D) :	743	774	1231	656	804
Rotate Conceptual (3D) :	772	830	1231	672	833
Rotate Realistic (3D) :	257	344	176	951	296
2D Array/save (Disk) :	123	122	126	112	121
DXFout (Disk) :	333	436	444	265	353
Save Drawing (Disk) :	152	124	126	117	129
Calculations (CPU) :	213	218	219	214	216
Ortho lines (2D) :	397	331	496	343	382
Radial plines (2D) :	222	188	325	214	227
Text and Blocks (2D) :	124	128	142	117	127
Erase/Zoom (2D) :	208	203	271	244	229
Individual Dwg Index	285	303	349	303	

 C2010 Total Index = 294

 3D Graphics Index = 593
 2D Graphics Index = 208
 Disk Index = 159
 CPU Index = 216

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	11.4	10.8	6.7	58.3	21.8
Rotate Hidden (3D) :	14.4	16.7	9.1	65.5	26.4
Rotate Conceptual (3D) :	13.9	15.5	9.1	63.9	25.6
Rotate Realistic (3D) :	34.8	40.0	44.2	62.9	45.5
2D Array/save (Disk) :	24.3	22.6	23.1	24.8	23.7
DXFout (Disk) :	12.3	10.3	7.1	15.8	11.4
Save Drawing (Disk) :	18.5	20.8	22.8	23.5	21.4
Calculations (CPU) :	18.3	18.0	18.0	18.1	18.1
Ortho lines (2D) :	27.7	24.3	26.3	21.2	24.9
Radial plines (2D) :	41.5	43.5	24.2	41.9	37.8
Text and Blocks (2D) :	27.2	24.3	36.2	33.3	30.2
Erase/Zoom (2D) :	36.7	38.4	27.4	29.4	33.0
Average Test Time By DWG =	23.4	23.8	21.2	38.2	
Average Test Time =	26.6				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1276x885 pixels
 Test Date (Time) : 05-03-10 (8:09am)
 Computer Brand : DELL Optiplex 960
 CPU Type : Cor 2 Duo, E8400, 3 GHz
 System RAM : 3,25 GB
 Graphics Card : ATI Radeon HD 4650
 Graphics Card driver : 8.582.0.0
 Number of Test Loops : 1
 Comment : ---

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 38 39 21 117 37
 Rotate Hidden (3D) : 339 364 429 459 392
 Rotate Conceptual (3D) : 343 370 436 444 393
 Rotate Realistic (3D) : 66 88 58 261 84
 2D Array/save (Disk) : 69 62 73 61 66
 DXFout (Disk) : 133 210 189 115 152
 Save Drawing (Disk) : 76 61 72 61 67
 Calculations (CPU) : 225 226 225 223 225
 Ortho lines (2D) : 493 468 559 488 500
 Radial plines (2D) : 411 393 469 416 421
 Text and Blocks (2D) : 146 146 170 154 153
 Erase/Zoom (2D) : 321 316 377 347 339
 - - - - -
 Individual Dwg Index 196 199 218 226

 C2010 Total Index = 205

 3D Graphics Index = 227
 2D Graphics Index = 289
 Disk Index = 82
 CPU Index = 225

 (Single Loop Time = 43 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)
 - - - - -
 Rotate Wireframe (3D) : 133.4 173.6 125.6 176.0 152.1
 Rotate Hidden (3D) : 31.6 35.4 26.0 93.7 46.7
 Rotate Conceptual (3D) : 31.3 34.8 25.6 96.7 47.1
 Rotate Realistic (3D) : 134.7 155.7 135.0 229.5 163.7
 2D Array/save (Disk) : 43.8 44.5 40.1 45.8 43.6
 DXFout (Disk) : 30.7 21.3 16.6 36.5 26.3
 Save Drawing (Disk) : 37.2 42.6 40.2 45.0 41.2
 Calculations (CPU) : 17.4 17.3 17.5 17.4 17.4
 Ortho lines (2D) : 22.3 17.2 23.4 14.9 19.5
 Radial plines (2D) : 22.4 20.8 16.8 21.5 20.4
 Text and Blocks (2D) : 23.1 21.2 30.2 25.3 25.0
 Erase/Zoom (2D) : 23.8 24.8 19.7 20.7 22.2
 - - - - -
 Average Test Time By DWG = 46.0 50.8 43.1 68.6
 Average Test Time = 52.1

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1656x655 pixels
 Test Date (Time) : 05-03-10 (3:59pm)
 Computer Brand : N/A
 CPU Type : INtel Core 4 (660 @2.4 Ghz)
 System RAM : 4.0 GB
 Graphics Card : NVIDIA FX 1700
 Graphics Card driver : Standard
 Number of Test Loops : 1
 Comment : C2010 v5.3, mit Hardwarebeschleunigung, ohne PerformanceTreiber

Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
2D Array/save (Disk) :	67	63	69	58	64
DXFout (Disk) :	217	251	272	159	216
Save Drawing (Disk) :	79	63	68	57	66
Calculations (CPU) :	167	169	170	165	168
Ortho lines (2D) :	286	214	380	244	269
Radial plines (2D) :	232	180	316	205	223
Text and Blocks (2D) :	89	91	116	87	95
Erase/Zoom (2D) :	74	75	115	112	90
Individual Dwg Index	128	123	145	125	

 C2010 Total Index = N/A

 3D Graphics Index = N/A
 2D Graphics Index = 134
 Disk Index = 85
 CPU Index = 168

 (Single Loop Time = 23 min)

***** Test Data: Actual Times (sec)
 Drawing====>

	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
2D Array/save (Disk) :	45.0	43.4	42.3	47.9	44.7
DXFout (Disk) :	18.8	17.8	11.6	26.3	18.6
Save Drawing (Disk) :	35.7	41.2	42.3	48.4	41.9
Calculations (CPU) :	23.3	23.2	23.2	23.4	23.3
Ortho lines (2D) :	38.5	37.5	34.4	29.8	35.1
Radial plines (2D) :	39.8	45.4	24.9	43.7	38.5
Text and Blocks (2D) :	38.0	33.9	44.2	44.7	40.2
Erase/Zoom (2D) :	102.6	104.4	64.7	64.2	83.9
Average Test Time By DWG =	42.7	43.4	35.9	41.0	
Average Test Time =	40.8				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1916x929 pixels
 Test Date (Time) : 05-06-10 (6:13pm)
 Computer Brand : Terra
 CPU Type : Core 2 Duo, E6600, 2.4GHz
 System RAM : 2GB 667MHz
 Graphics Card : nVidia Quadro NVS 285 256MB
 Graphics Card driver : 6.14.11.9728
 Number of Test Loops : 1
 Comment : ---

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index

 Rotate Wireframe (3D) : 31 32 27 88 36
 Rotate Hidden (3D) : 197 214 225 305 229
 Rotate Conceptual (3D) : 202 207 191 299 218
 Rotate Realistic (3D) : 2 3 1 16 2
 2D Array/save (Disk) : 64 58 67 59 62
 DXFout (Disk) : 57 78 106 59 71
 Save Drawing (Disk) : 78 63 66 61 66
 Calculations (CPU) : 143 137 132 127 134
 Ortho lines (2D) : 328 251 407 275 305
 Radial plines (2D) : 225 165 313 192 211
 Text and Blocks (2D) : 110 106 126 112 113
 Erase/Zoom (2D) : 202 191 242 235 215

 Individual Dwg Index 126 120 136 136

 C2010 Total Index = 127

 3D Graphics Index = 121
 2D Graphics Index = 186
 Disk Index = 66
 CPU Index = 134

 (Single Loop Time = 360 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)

 Rotate Wireframe (3D) : 165.3 207.5 101.3 233.5 176.9
 Rotate Hidden (3D) : 54.4 60.2 49.6 140.8 76.2
 Rotate Conceptual (3D) : 53.1 62.2 58.4 143.7 79.3
 Rotate Realistic (3D) : 3663.2 4639.6 6935.2 3722.4 4740.1
 2D Array/save (Disk) : 46.5 47.2 43.8 47.2 46.2
 DXFout (Disk) : 71.3 57.6 29.6 70.6 57.3
 Save Drawing (Disk) : 36.0 41.3 43.7 45.3 41.6
 Calculations (CPU) : 27.3 28.7 29.9 30.4 29.0
 Ortho lines (2D) : 33.5 32.1 32.1 26.5 31.1
 Radial plines (2D) : 40.9 49.7 25.2 46.7 40.6
 Text and Blocks (2D) : 30.7 29.2 40.7 34.9 33.9
 Erase/Zoom (2D) : 37.9 41.0 30.7 30.5 35.0

 Average Test Time By DWG = 355.0 441.3 618.3 381.0
 Average Test Time = 448.9

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1199x852 pixels
 Test Date (Time) : 05-05-10 (9:56pm)
 Computer Brand : Armor
 CPU Type : Core 2 Duo, E6450, 2.13GHz
 System RAM : 4GB 800MHz
 Graphics Card : nVidia 8600 GT 512MB 1280x1024
 Graphics Card driver : 6.14.11.7813
 Number of Test Loops : 1
 Comment : ---

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8		
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index	

Rotate Wireframe (3D) :	247	227	212	220	226	
Rotate Hidden (3D) :	343	349	536	313	369	
Rotate Conceptual (3D) :	347	358	531	314	372	
Rotate Realistic (3D) :	45	56	27	249	49	
2D Array/save (Disk) :	60	57	67	58	61	
DXFout (Disk) :	70	104	133	83	92	
Save Drawing (Disk) :	77	63	72	57	67	
Calculations (CPU) :	139	140	141	138	140	
Ortho lines (2D) :	378	306	399	321	347	
Radial plines (2D) :	247	191	304	212	231	
Text and Blocks (2D) :	101	98	118	104	105	
Erase/Zoom (2D) :	206	201	253	231	221	

Individual Dwg Index	160	157	192	165		

 C2010 Total Index = 163

 3D Graphics Index = 254
 2D Graphics Index = 188
 Disk Index = 71
 CPU Index = 140

 (Single Loop Time = 47 min)

***** Test Data: Actual Times (sec)						
Drawing====>		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe	(3D) :	20.6	29.5	12.7	93.9	39.2
Rotate Hidden	(3D) :	31.3	37.0	20.8	137.3	56.6
Rotate Conceptual	(3D) :	30.9	36.0	21.1	136.7	56.2
Rotate Realistic	(3D) :	200.0	245.8	287.0	240.4	243.3
2D Array/save	(Disk) :	50.1	48.0	43.3	47.7	47.3
DXFout	(Disk) :	58.3	43.3	23.7	50.2	43.9
Save Drawing	(Disk) :	36.3	41.1	39.8	48.1	41.3
Calculations	(CPU) :	28.0	27.9	28.0	28.0	28.0
Ortho lines	(2D) :	29.1	26.3	32.8	22.7	27.7
Radial plines	(2D) :	37.3	42.7	25.9	42.3	37.1
Text and Blocks	(2D) :	33.3	31.8	43.5	37.7	36.6
Erase/Zoom	(2D) :	37.2	39.0	29.3	31.1	34.1

Average Test Time By DWG =		49.4	54.0	50.7	76.3	
Average Test Time =		57.6				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1199x852 pixels
 Test Date (Time) : 05-05-10 (9:04pm)
 Computer Brand : Armor
 CPU Type : Core 2 Duo, E6450, 2.13GHz @ 3,0GHz
 System RAM : 4GB 800MHz
 Graphics Card : nVidia 8600 GT 512MB 1280x1024
 Graphics Card driver : 6.14.11.7813
 Number of Test Loops : 1
 Comment : ---

 Drawing (3D)====> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====> c2010_1 c2010_2 c2010_3 c2010_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 290 241 229 295 260
 Rotate Hidden (3D) : 480 487 756 440 517
 Rotate Conceptual (3D) : 489 500 754 444 525
 Rotate Realistic (3D) : 45 56 27 250 49
 2D Array/save (Disk) : 72 70 85 67 73
 DXFout (Disk) : 71 98 129 88 92
 Save Drawing (Disk) : 93 77 88 68 81
 Calculations (CPU) : 192 194 195 191 193
 Ortho lines (2D) : 527 424 564 443 483
 Radial plines (2D) : 339 258 421 294 317
 Text and Blocks (2D) : 139 137 165 143 145
 Erase/Zoom (2D) : 273 267 349 320 298
 - - - - -
 Individual Dwg Index 213 207 260 219

 C2010 Total Index = 218

 3D Graphics Index = 338
 2D Graphics Index = 259
 Disk Index = 81
 CPU Index = 193

 (Single Loop Time = 40 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)
 - - - - -
 Rotate Wireframe (3D) : 17.6 27.9 11.8 69.9 31.8
 Rotate Hidden (3D) : 22.3 26.5 14.8 97.6 40.3
 Rotate Conceptual (3D) : 21.9 25.8 14.8 96.7 39.8
 Rotate Realistic (3D) : 198.6 245.7 287.0 239.5 242.7
 2D Array/save (Disk) : 41.4 39.5 34.5 41.8 39.3
 DXFout (Disk) : 57.5 45.6 24.4 47.6 43.8
 Save Drawing (Disk) : 30.2 33.5 32.6 40.2 34.1
 Calculations (CPU) : 20.3 20.2 20.2 20.2 20.2
 Ortho lines (2D) : 20.9 19.0 23.2 16.4 19.9
 Radial plines (2D) : 27.2 31.6 18.7 30.5 27.0
 Text and Blocks (2D) : 24.3 22.5 31.1 27.2 26.3
 Erase/Zoom (2D) : 28.0 29.3 21.3 22.4 25.3
 - - - - -
 Average Test Time By DWG = 42.5 47.3 44.5 62.5
 Average Test Time = 49.2

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OS Platform : Microsoft Windows NT Version 6.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1828x922 pixels
 Test Date (Time) : 05-07-10 (4:29pm)
 Computer Brand : selfbuild
 CPU Type : AMD 945 C3
 System RAM : 4GB DDR3-1333
 Graphics Card : FX580
 Graphics Card driver : 191.78
 Number of Test Loops : 1
 Comment : nv3d

		c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (3D)====>						
Drawing (2D)====>		c2010_1	c2010_2	c2010_3	c2010_4	Test Index

Rotate Wireframe (3D) :	230	192	161	282	207	
Rotate Hidden (3D) :	744	708	974	548	713	
Rotate Conceptual (3D) :	750	692	978	536	706	
Rotate Realistic (3D) :	388	413	290	602	396	
2D Array/save (Disk) :	90	82	86	79	84	
DXFout (Disk) :	220	263	279	162	221	
Save Drawing (Disk) :	106	86	88	81	89	
Calculations (CPU) :	206	207	208	204	206	
Ortho lines (2D) :	409	314	540	353	388	
Radial plines (2D) :	345	276	455	309	335	
Text and Blocks (2D) :	121	120	152	129	129	
Erase/Zoom (2D) :	157	154	227	225	184	

Individual Dwg Index	263	250	297	253		

C2010 Total Index = 258

 3D Graphics Index = 505
 2D Graphics Index = 214
 Disk Index = 109
 CPU Index = 206

 (Single Loop Time = 25 min)

***** Test Data: Actual Times (sec)

Drawing====>		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe (3D) :	22.1	34.9	16.7	73.1	36.7	
Rotate Hidden (3D) :	14.4	18.2	11.5	78.3	30.6	
Rotate Conceptual (3D) :	14.3	18.6	11.4	80.2	31.1	
Rotate Realistic (3D) :	23.1	33.3	26.8	99.3	45.6	
2D Array/save (Disk) :	33.2	33.7	33.9	35.1	34.0	
DXFout (Disk) :	18.6	17.1	11.3	25.9	18.2	
Save Drawing (Disk) :	26.4	30.2	32.9	33.9	30.9	
Calculations (CPU) :	19.0	18.9	19.0	19.0	19.0	
Ortho lines (2D) :	26.9	25.7	24.2	20.6	24.3	
Radial plines (2D) :	26.7	29.6	17.3	29.0	25.7	
Text and Blocks (2D) :	27.8	25.9	33.7	30.3	29.4	
Erase/Zoom (2D) :	48.7	50.6	32.7	31.9	41.0	

Average Test Time By DWG =	25.1	28.1	22.6	46.4		
Average Test Time =	30.5					

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1855x901 pixels
 Test Date (Time) : 05-08-10 (7:42pm)
 Computer Brand : HP Z600
 CPU Type : 2x Intel Xeon E5530 2,4 Ghz
 System RAM : 16 GB
 Graphics Card : Nvidia QuadroFX 1800
 Graphics Card driver : ...
 Number of Test Loops : 1
 Comment : ...

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	429	379	334	300	354
Rotate Hidden (3D) :	681	677	1070	589	717
Rotate Conceptual (3D) :	681	722	1070	595	731
Rotate Realistic (3D) :	382	220	243	800	319
2D Array/save (Disk) :	119	126	125	116	121
DXFout (Disk) :	265	368	366	229	294
Save Drawing (Disk) :	145	129	128	115	128
Calculations (CPU) :	181	187	188	181	184
Ortho lines (2D) :	353	306	452	316	348
Radial plines (2D) :	200	170	306	189	206
Text and Blocks (2D) :	107	111	124	102	110
Erase/Zoom (2D) :	172	165	231	220	193
-----	-----	-----	-----	-----	-----
Individual Dwg Index	264	254	313	266	

 C2010 Total Index = 263

3D Graphics Index = 530
 2D Graphics Index = 182
 Disk Index = 154
 CPU Index = 184

 (Single Loop Time = 25 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	11.9	17.7	8.1	68.8	26.6
Rotate Hidden (3D) :	15.7	19.0	10.5	72.9	29.5
Rotate Conceptual (3D) :	15.7	17.9	10.5	72.2	29.1
Rotate Realistic (3D) :	23.4	62.5	32.0	74.8	48.2
2D Array/save (Disk) :	25.2	21.9	23.4	24.0	23.6
DXFout (Disk) :	15.4	12.2	8.6	18.3	13.6
Save Drawing (Disk) :	19.4	20.0	22.5	23.9	21.5
Calculations (CPU) :	21.5	21.0	21.0	21.3	21.2
Ortho lines (2D) :	31.1	26.3	29.0	23.0	27.4
Radial plines (2D) :	46.0	48.1	25.8	47.4	41.8
Text and Blocks (2D) :	31.5	28.0	41.5	38.2	34.8
Erase/Zoom (2D) :	44.5	47.5	32.2	32.6	39.2
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	25.1	28.5	22.1	43.1	
Average Test Time =	29.7				

CADALYST Systems Benchmark 2010
 Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows XP Professional x64 Edition Version 2003 SP2
 AutoCAD version : 18.1s
 Graphics Window size : 1596x898 pixels
 Test Date (Time) : 05-14-10 (10:38am)
 Computer Brand : Dell OPTIPLEX 960 MT
 CPU Type : Intel Core 2 Duo E8400 @3.00GHz
 System RAM : 7,87 GB
 Graphics Card : ATI Radeon HD 4650
 Graphics Card driver : 8.591.0.0
 Number of Test Loops : 1
 Comment : ---

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	155	79	107	299	126
Rotate Hidden (3D) :	620	622	941	555	657
Rotate Conceptual (3D) :	619	643	927	563	664
Rotate Realistic (3D) :	120	165	88	689	147
2D Array/save (Disk) :	74	75	88	74	77
DXFout (Disk) :	268	188	234	114	181
Save Drawing (Disk) :	90	73	88	72	80
Calculations (CPU) :	216	215	226	222	220
Ortho lines (2D) :	469	395	568	433	458
Radial plines (2D) :	328	248	436	299	315
Text and Blocks (2D) :	152	166	186	164	166
Erase/Zoom (2D) :	250	245	339	317	282
-----	-----	-----	-----	-----	-----
Individual Dwg Index	238	231	294	275	

 C2010 Total Index = 246

 3D Graphics Index = 398
 2D Graphics Index = 268
 Disk Index = 97
 CPU Index = 220

 (Single Loop Time = 28 min)

***** Test Data: Actual Times (sec)
 Drawing====>

	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	32.7	85.2	25.1	69.1	53.0
Rotate Hidden (3D) :	17.3	20.7	11.9	77.4	31.8
Rotate Conceptual (3D) :	17.3	20.0	12.1	76.3	31.4
Rotate Realistic (3D) :	74.6	83.3	88.6	86.9	83.4
2D Array/save (Disk) :	40.7	36.7	33.1	37.6	37.0
DXFout (Disk) :	15.3	23.8	13.4	36.9	22.3
Save Drawing (Disk) :	31.2	35.4	32.6	38.0	34.3
Calculations (CPU) :	18.1	18.2	17.4	17.5	17.8
Ortho lines (2D) :	23.5	20.4	23.0	16.8	20.9
Radial plines (2D) :	28.1	32.9	18.1	30.0	27.3
Text and Blocks (2D) :	22.3	18.7	27.6	23.8	23.1
Erase/Zoom (2D) :	30.5	32.0	21.9	22.6	26.7
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	29.3	35.6	27.1	44.4	
Average Test Time =	34.1				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1576x869 pixels
 Test Date (Time) : 05-05-10 (11:14am)
 Computer Brand : hp dc7700
 CPU Type : Intel Core 2 6300@1.86GHz
 System RAM : 2GB
 Graphics Card : GeForce7600GT | 256MB RAM
 Graphics Card driver : 197.13
 Number of Test Loops : 1
 Comment : Windows64bit

Drawing (3D)===>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)===>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	137	110	88	168	119
Rotate Hidden (3D) :	363	363	533	331	384
Rotate Conceptual (3D) :	363	383	531	340	393
Rotate Realistic (3D) :	19	24	12	107	21
2D Array/save (Disk) :	58	55	58	48	55
DXFout (Disk) :	1032	824	1291	351	689
Save Drawing (Disk) :	68	59	62	49	59
Calculations (CPU) :	101	102	101	100	101
Ortho lines (2D) :	271	220	342	247	263
Radial plines (2D) :	205	162	256	192	198
Text and Blocks (2D) :	83	82	97	94	89
Erase/Zoom (2D) :	112	113	154	156	130
Individual Dwg Index	137	133	162	139	

C2010 Total Index = 139

3D Graphics Index = 229

2D Graphics Index = 144

Disk Index = 81

CPU Index = 101

(Single Loop Time = 73 min)

***** Test Data: Actual Times (sec)

Drawing===>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	37.0	60.8	30.7	122.6	62.8
Rotate Hidden (3D) :	29.5	35.5	21.0	129.7	53.9
Rotate Conceptual (3D) :	29.5	33.7	21.1	126.2	52.6
Rotate Realistic (3D) :	462.2	577.1	659.2	558.6	564.3
2D Array/save (Disk) :	51.5	50.0	50.4	57.8	52.4
DXFout (Disk) :	4.0	5.4	2.4	11.9	5.9
Save Drawing (Disk) :	41.5	43.9	46.7	56.0	47.0
Calculations (CPU) :	38.7	38.3	39.1	38.7	38.7
Ortho lines (2D) :	40.6	36.6	38.3	29.5	36.3
Radial plines (2D) :	45.1	50.4	30.8	46.7	43.2
Text and Blocks (2D) :	40.8	37.7	52.7	41.5	43.2
Erase/Zoom (2D) :	68.1	69.4	48.1	46.1	57.9
Average Test Time By DWG =	74.0	86.6	86.7	105.4	
Average Test Time =	88.2				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1576x869 pixels
 Test Date (Time) : 05-12-10 (3:11pm)
 Computer Brand : hp dc7700
 CPU Type : Intel Core 2 6300@1.86GHz
 System RAM : 4GB
 Graphics Card : GeForce7600GT | 256MB RAM
 Graphics Card driver : 197.13
 Number of Test Loops : 1
 Comment : Windows64bit

Drawing (3D)===>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)===>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	115	117	83	170	114
Rotate Hidden (3D) :	378	376	553	336	397
Rotate Conceptual (3D) :	365	394	553	344	401
Rotate Realistic (3D) :	20	24	12	110	22
2D Array/save (Disk) :	67	61	62	58	62
DXFout (Disk) :	1070	856	1300	357	705
Save Drawing (Disk) :	78	62	62	59	65
Calculations (CPU) :	105	105	105	103	104
Ortho lines (2D) :	195	150	256	239	201
Radial plines (2D) :	118	97	178	192	135
Text and Blocks (2D) :	67	70	75	93	75
Erase/Zoom (2D) :	68	70	102	151	88
Individual Dwg Index	130	127	155	143	

C2010 Total Index = 134

3D Graphics Index = 233

2D Graphics Index = 108

Disk Index = 91

CPU Index = 104

(Single Loop Time = 76 min)

***** Test Data: Actual Times (sec)

Drawing===>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	44.2	57.4	32.3	121.3	63.8
Rotate Hidden (3D) :	28.3	34.3	20.2	127.7	52.6
Rotate Conceptual (3D) :	29.4	32.7	20.2	124.7	51.7
Rotate Realistic (3D) :	453.2	571.8	654.1	546.0	556.3
2D Array/save (Disk) :	44.6	45.2	47.1	48.2	46.3
DXFout (Disk) :	3.8	5.2	2.4	11.7	5.8
Save Drawing (Disk) :	36.1	41.6	46.3	46.5	42.6
Calculations (CPU) :	37.2	37.4	37.6	37.7	37.5
Ortho lines (2D) :	56.4	53.8	51.0	30.4	47.9
Radial plines (2D) :	78.0	84.2	44.4	46.7	63.3
Text and Blocks (2D) :	50.8	44.4	68.4	42.1	51.4
Erase/Zoom (2D) :	112.1	111.2	72.8	47.6	85.9
Average Test Time By DWG =	81.2	93.3	91.4	102.5	
Average Test Time =	92.1				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1584x901 pixels
 Test Date (Time) : 05-05-10 (4:37pm)
 Computer Brand : hp dc7800
 CPU Type : Intel Core 2 duo E6570@2.66Hz
 System RAM : 2GB
 Graphics Card : GeForce 9600GT
 Graphics Card driver : 175.16
 Number of Test Loops : 1
 Comment : Windows XP 32bit

Drawing (3D)===>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)===>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	214	244	155	250	208
Rotate Hidden (3D) :	411	420	579	380	436
Rotate Conceptual (3D) :	410	437	582	385	442
Rotate Realistic (3D) :	57	70	37	276	64
2D Array/save (Disk) :	62	53	66	47	56
DXFout (Disk) :	1794	1442	2339	632	1227
Save Drawing (Disk) :	71	55	67	47	58
Calculations (CPU) :	173	174	172	169	172
Ortho lines (2D) :	418	335	494	370	396
Radial plines (2D) :	325	255	400	294	310
Text and Blocks (2D) :	123	120	146	128	128
Erase/Zoom (2D) :	208	205	267	263	232
Individual Dwg Index	190	186	218	196	

C2010 Total Index = 192

3D Graphics Index = 288

2D Graphics Index = 224

Disk Index = 83

CPU Index = 172

(Single Loop Time = 39 min)

***** Test Data: Actual Times (sec)

Drawing===>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	23.8	27.5	17.4	82.5	37.8
Rotate Hidden (3D) :	26.1	30.7	19.3	112.9	47.3
Rotate Conceptual (3D) :	26.1	29.5	19.2	111.5	46.6
Rotate Realistic (3D) :	155.9	195.8	212.4	217.1	195.3
2D Array/save (Disk) :	48.7	52.4	44.3	59.9	51.3
DXFout (Disk) :	2.3	3.1	1.3	6.6	3.3
Save Drawing (Disk) :	39.8	47.3	43.1	59.0	47.3
Calculations (CPU) :	22.5	22.6	22.8	22.9	22.7
Ortho lines (2D) :	26.3	24.0	26.4	19.7	24.1
Radial plines (2D) :	28.4	32.0	19.7	30.5	27.6
Text and Blocks (2D) :	27.6	25.8	35.2	30.5	29.8
Erase/Zoom (2D) :	36.8	38.2	27.8	27.3	32.5
Average Test Time By DWG =	38.7	44.1	40.8	65.0	
Average Test Time =	47.1				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1916x802 pixels
 Test Date (Time) : 05-14-10 (2:49pm)
 Computer Brand : Dell Precision M4400
 CPU Type : Intel(R) Core(TM)2 Duo T7500 2,20Ghz
 System RAM : 4,00 GB
 Graphics Card : nVidia Quadro FX 360M
 Graphics Card driver : 8.17.11.9716
 Number of Test Loops : 1
 Comment : R18,0 ACAD 64bit

Drawing (3D)====>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	52	50	85	198	71
Rotate Hidden (3D) :	456	479	680	433	496
Rotate Conceptual (3D) :	454	461	676	416	485
Rotate Realistic (3D) :	77	100	118	373	117
2D Array/save (Disk) :	71	68	73	66	70
DXFout (Disk) :	229	293	274	182	236
Save Drawing (Disk) :	88	75	73	64	74
Calculations (CPU) :	164	166	165	164	165
Ortho lines (2D) :	353	326	415	343	356
Radial plines (2D) :	293	264	344	285	294
Text and Blocks (2D) :	91	96	113	113	102
Erase/Zoom (2D) :	178	182	216	234	200
Individual Dwg Index	175	177	216	201	

C2010 Total Index = 185

3D Graphics Index = 292

2D Graphics Index = 191

Disk Index = 93

CPU Index = 165

(Single Loop Time = 38 min)

***** Test Data: Actual Times (sec)

Drawing====>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	97.7	135.4	31.9	104.1	92.3
Rotate Hidden (3D) :	23.5	26.9	16.4	99.3	41.5
Rotate Conceptual (3D) :	23.6	28.0	16.5	103.2	42.8
Rotate Realistic (3D) :	116.4	137.6	66.1	160.4	120.1
2D Array/save (Disk) :	42.1	40.3	39.8	42.5	41.2
DXFout (Disk) :	17.9	15.3	11.5	23.0	16.9
Save Drawing (Disk) :	32.0	34.5	39.2	43.1	37.2
Calculations (CPU) :	23.7	23.6	23.9	23.6	23.7
Ortho lines (2D) :	31.1	24.7	31.5	21.2	27.1
Radial plines (2D) :	31.5	31.0	22.9	31.5	29.2
Text and Blocks (2D) :	37.1	32.3	45.3	34.5	37.3
Erase/Zoom (2D) :	43.0	42.9	34.3	30.7	37.7
Average Test Time By DWG =	43.3	47.7	31.6	59.8	
Average Test Time =	45.6				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1916x859 pixels
 Test Date (Time) : 05-14-10 (6:49pm)
 Computer Brand : Dell Precision M4400
 CPU Type : Intel(R) Core(TM)2 Duo T7500 2,20Ghz
 System RAM : 4 GB
 Graphics Card : nVidia Quadro FX 360M
 Graphics Card driver : 8.17.11.9716
 Number of Test Loops : 1
 Comment : ACAD 2011

Drawing (3D)====>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	84	69	52	167	78
Rotate Hidden (3D) :	448	428	669	397	466
Rotate Conceptual (3D) :	446	453	665	408	476
Rotate Realistic (3D) :	60	67	34	283	62
2D Array/save (Disk) :	70	66	73	61	67
DXFout (Disk) :	232	290	270	177	233
Save Drawing (Disk) :	83	71	74	61	71
Calculations (CPU) :	155	157	156	145	153
Ortho lines (2D) :	349	285	424	328	340
Radial plines (2D) :	284	242	346	269	281
Text and Blocks (2D) :	100	102	121	116	109
Erase/Zoom (2D) :	170	166	209	217	188
Individual Dwg Index	173	168	207	184	

C2010 Total Index = 176

3D Graphics Index = 270

2D Graphics Index = 191

Disk Index = 90

CPU Index = 153

(Single Loop Time = 43 min)

***** Test Data: Actual Times (sec)

Drawing====>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	60.5	97.1	51.5	123.5	83.2
Rotate Hidden (3D) :	23.9	30.1	16.7	108.2	44.7
Rotate Conceptual (3D) :	24.0	28.5	16.8	105.2	43.6
Rotate Realistic (3D) :	150.3	204.1	230.3	211.2	199.0
2D Array/save (Disk) :	43.1	41.5	40.2	45.8	42.6
DXFout (Disk) :	17.7	15.5	11.6	23.7	17.1
Save Drawing (Disk) :	33.8	36.6	39.0	45.0	38.6
Calculations (CPU) :	25.2	25.0	25.3	26.7	25.5
Ortho lines (2D) :	31.5	28.3	30.8	22.1	28.2
Radial plines (2D) :	32.5	33.7	22.8	33.3	30.6
Text and Blocks (2D) :	33.7	30.3	42.3	33.7	35.0
Erase/Zoom (2D) :	44.9	47.2	35.6	33.0	40.2
Average Test Time By DWG =	43.4	51.5	46.9	67.6	
Average Test Time =	52.4				

CADALYST Systems Benchmark 2010
 Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1272x848 pixels
 Test Date (Time) : 05-01-10 (6:53pm)
 Computer Brand : ---
 CPU Type : Intel Core 2Duo CPU E6750 @ 2.66 GHz
 System RAM : 3.25 GB
 Graphics Card : GeForce 8800 GTX
 Graphics Card driver : 6.14.11.9621 (11.01.2010)
 Number of Test Loops : 1
 Comment : hw-acc ON - Direct 3D

 Drawing (3D)====>> c2010_5 c2010_6 c2010_7 c2010_8
 Drawing (2D)====>> c2010_1 c2010_2 c2010_3 c2010_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 387 546 369 324 392
 Rotate Hidden (3D) : 487 475 745 420 507
 Rotate Conceptual (3D) : 483 465 739 434 508
 Rotate Realistic (3D) : 1311 902 1222 443 809
 2D Array/save (Disk) : 89 83 86 77 83
 DXFout (Disk) : 215 251 259 120 192
 Save Drawing (Disk) : 114 91 95 84 95
 Calculations (CPU) : 196 196 197 194 196
 Ortho lines (2D) : 271 281 378 271 295
 Radial plines (2D) : 225 236 317 231 247
 Text and Blocks (2D) : 103 113 124 107 111
 Erase/Zoom (2D) : 145 149 199 180 165
 - - - - -
 Individual Dwg Index 286 269 323 216

 C2010 Total Index = 259

 3D Graphics Index = 554
 2D Graphics Index = 178
 Disk Index = 108
 CPU Index = 196

 (Single Loop Time = 28 min)

***** Test Data: Actual Times (sec)
 Drawing====>> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)
 - - - - -
 Rotate Wireframe (3D) : 13.2 12.3 7.3 63.7 24.1
 Rotate Hidden (3D) : 22.0 27.1 15.0 102.3 41.6
 Rotate Conceptual (3D) : 22.2 27.8 15.1 98.9 41.0
 Rotate Realistic (3D) : 6.8 15.3 6.4 135.1 40.9
 2D Array/save (Disk) : 33.6 33.4 33.9 36.4 34.3
 DXFout (Disk) : 19.0 17.8 12.1 35.0 21.0
 Save Drawing (Disk) : 24.6 28.4 30.2 32.6 29.0
 Calculations (CPU) : 19.9 20.0 20.0 20.0 20.0
 Ortho lines (2D) : 40.5 28.6 34.6 26.8 32.6
 Radial plines (2D) : 41.0 34.7 24.8 38.8 34.8
 Text and Blocks (2D) : 32.8 27.3 41.5 36.5 34.5
 Erase/Zoom (2D) : 52.8 52.4 37.4 39.9 45.6
 - - - - -
 Average Test Time By DWG = 27.4 27.1 23.2 55.5
 Average Test Time = 33.3

CADALYST Systems Benchmark 2010
Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
AutoCAD version : 18.0s
Graphics Window size : 1272x848 pixels
Test Date (Time) : 05-01-10 (7:31pm)
Computer Brand : ---
CPU Type : Intel Core 2Duo CPU E6750 @ 2.66 GHz
System RAM : 3.25 GB
Graphics Card : GeForce 8800 GTX
Graphics Card driver : 6.14.11.9621 (11.01.2010)
Number of Test Loops : 1
Comment : hw-acc ON - Autodesk

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	359	594	344	327	383
Rotate Hidden (3D) :	459	490	706	430	502
Rotate Conceptual (3D) :	453	477	702	412	490
Rotate Realistic (3D) :	1077	733	1165	436	734
2D Array/save (Disk) :	89	85	86	76	84
DXFout (Disk) :	208	273	247	117	190
Save Drawing (Disk) :	116	89	96	83	94
Calculations (CPU) :	194	195	196	192	194
Ortho lines (2D) :	272	281	376	269	294
Radial plines (2D) :	225	236	316	229	247
Text and Blocks (2D) :	102	111	114	105	108
Erase/Zoom (2D) :	145	148	132	178	149
Individual Dwg Index	266	263	305	214	

C2010 Total Index = 250

3D Graphics Index = 528
2D Graphics Index = 171
Disk Index = 108
CPU Index = 194

(Single Loop Time = 28 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	14.2	11.3	7.8	63.2	24.1
Rotate Hidden (3D) :	23.4	26.3	15.8	99.9	41.3
Rotate Conceptual (3D) :	23.6	27.0	15.9	104.3	42.7
Rotate Realistic (3D) :	8.3	18.8	6.7	137.4	42.8
2D Array/save (Disk) :	33.7	32.4	33.9	36.5	34.1
DXFout (Disk) :	19.6	16.4	12.7	35.8	21.2
Save Drawing (Disk) :	24.3	29.3	30.0	33.0	29.1
Calculations (CPU) :	20.1	20.1	20.1	20.1	20.1
Ortho lines (2D) :	40.4	28.6	34.8	27.0	32.7
Radial plines (2D) :	40.9	34.7	25.0	39.1	34.9
Text and Blocks (2D) :	33.1	27.9	45.2	37.0	35.8
Erase/Zoom (2D) :	52.8	52.7	56.2	40.2	50.5
Average Test Time By DWG =	27.9	27.1	25.3	56.1	
Average Test Time =	34.1				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 2044x950 pixels
 Test Date (Time) : 05-17-10 (12:13am)
 Computer Brand : Lenovo
 CPU Type : Intel(R) Xeon(R) W3520 2.67GHz
 System RAM : 4 GB
 Graphics Card : NVidia Quadro FX 1800
 Graphics Card driver : 6.14.11.9728
 Number of Test Loops : 1
 Comment : hw-acc ON - nvd3d10.hdi

Drawing (3D)===>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)===>>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	298	290	221	371	285
Rotate Hidden (3D) :	918	870	1173	834	932
Rotate Conceptual (3D) :	911	848	1196	802	917
Rotate Realistic (3D) :	594	665	472	849	617
2D Array/save (Disk) :	115	111	111	111	112
DXFout (Disk) :	247	314	273	138	221
Save Drawing (Disk) :	142	118	112	115	121
Calculations (CPU) :	214	217	211	214	214
Ortho lines (2D) :	473	428	535	462	472
Radial plines (2D) :	394	362	460	398	401
Text and Blocks (2D) :	134	138	161	146	144
Erase/Zoom (2D) :	293	290	353	332	315
-----	-----	-----	-----	-----	-----
Individual Dwg Index	326	321	355	331	

 C2010 Total Index = 328

 3D Graphics Index = 688
 2D Graphics Index = 272
 Disk Index = 138
 CPU Index = 214

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing===>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	17.1	23.1	12.2	55.7	27.0
Rotate Hidden (3D) :	11.7	14.8	9.5	51.5	21.9
Rotate Conceptual (3D) :	11.8	15.2	9.3	53.6	22.5
Rotate Realistic (3D) :	15.1	20.7	16.5	70.5	30.7
2D Array/save (Disk) :	26.2	24.9	26.3	25.1	25.6
DXFout (Disk) :	16.6	14.3	11.5	30.3	18.2
Save Drawing (Disk) :	19.8	21.9	25.6	23.9	22.8
Calculations (CPU) :	18.2	18.1	18.6	18.1	18.3
Ortho lines (2D) :	23.2	18.8	24.4	15.7	20.6
Radial plines (2D) :	23.4	22.5	17.1	22.5	21.4
Text and Blocks (2D) :	25.1	22.5	31.9	26.6	26.5
Erase/Zoom (2D) :	26.1	27.0	21.0	21.6	23.9
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	19.5	20.3	18.7	34.6	
Average Test Time =	23.3				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 2032x909 pixels
 Test Date (Time) : 05-17-10 (3:32pm)
 Computer Brand : Lenovo
 CPU Type : Intel(R) E8500e3,16GHz
 System RAM : 3 GB
 Graphics Card : NVidia Quadro FX 580
 Graphics Card driver : 6.14.11.8246
 Number of Test Loops : 1
 Comment : hw-acc ON - Autodesk

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	243	61	169	411	139
Rotate Hidden (3D) :	597	252	881	552	466
Rotate Conceptual (3D) :	590	196	877	526	406
Rotate Realistic (3D) :	460	123	340	554	266
2D Array/save (Disk) :	98	90	97	87	93
DXFout (Disk) :	157	207	193	117	160
Save Drawing (Disk) :	118	96	106	90	101
Calculations (CPU) :	235	237	239	234	236
Ortho lines (2D) :	424	438	477	493	457
Radial plines (2D) :	354	371	414	423	388
Text and Blocks (2D) :	145	152	160	162	154
Erase/Zoom (2D) :	316	320	356	357	336
Individual Dwg Index	272	195	305	285	

 C2010 Total Index = 237

 3D Graphics Index = 319
 2D Graphics Index = 281
 Disk Index = 112
 CPU Index = 236

 (Single Loop Time = 27 min)

***** Test Data: Actual Times (sec)						
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test	
					(avg)	
Rotate Wireframe (3D) :	20.9	109.8	15.9	50.3	49.2	
Rotate Hidden (3D) :	17.9	51.1	12.7	77.8	39.9	
Rotate Conceptual (3D) :	18.2	65.9	12.8	81.6	44.6	
Rotate Realistic (3D) :	19.4	111.9	22.8	108.0	65.6	
2D Array/save (Disk) :	30.7	30.5	30.0	31.9	30.8	
DXFout (Disk) :	26.0	21.7	16.3	35.9	25.0	
Save Drawing (Disk) :	23.8	27.1	27.2	30.4	27.1	
Calculations (CPU) :	16.6	16.5	16.5	16.5	16.5	
Ortho lines (2D) :	25.9	18.4	27.4	14.7	21.6	
Radial plines (2D) :	26.0	22.0	19.0	21.2	22.1	
Text and Blocks (2D) :	23.3	20.4	32.0	24.1	25.0	
Erase/Zoom (2D) :	24.2	24.4	20.9	20.1	22.4	
Average Test Time By DWG =	22.8	43.3	21.1	42.7		
Average Test Time =	32.5					

CADALYST Systems Benchmark 2010

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1676x671 pixels
 Test Date (Time) : 05-17-10 (2:05pm)
 Computer Brand : Lenovo
 CPU Type : Intel Core 2 Quad CPU (Q6600 @2.4 Ghz)
 System RAM : 4.0 GB
 Graphics Card : NVIDIA FX 1700
 Graphics Card driver : Standard
 Number of Test Loops : 1
 Comment : MAP 2010, mit Hardwarebeschleunigung: Autodesk (ohne PerformanceTreiber)

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	153	132	101	265	144
Rotate Hidden (3D) :	520	547	778	480	562
Rotate Conceptual (3D) :	520	525	787	464	551
Rotate Realistic (3D) :	257	279	205	404	270
2D Array/save (Disk) :	68	63	65	57	63
DXFout (Disk) :	234	279	268	162	225
Save Drawing (Disk) :	80	66	70	56	67
Calculations (CPU) :	181	182	183	170	179
Ortho lines (2D) :	299	230	391	246	279
Radial plines (2D) :	240	191	327	209	232
Text and Blocks (2D) :	92	94	120	78	94
Erase/Zoom (2D) :	79	80	121	127	97
Individual Dwg Index	192	191	230	195	

C2010 Total Index = 196

3D Graphics Index = 382

2D Graphics Index = 139

Disk Index = 85

CPU Index = 179

(Single Loop Time = 35 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	33.2	50.8	26.6	78.0	47.2
Rotate Hidden (3D) :	20.6	23.6	14.4	89.5	37.0
Rotate Conceptual (3D) :	20.6	24.6	14.2	92.6	38.0
Rotate Realistic (3D) :	34.9	49.3	37.9	148.2	67.6
2D Array/save (Disk) :	44.4	43.8	45.0	48.7	45.5
DXFout (Disk) :	17.5	16.1	11.7	25.8	17.8
Save Drawing (Disk) :	35.3	39.3	40.9	48.8	41.1
Calculations (CPU) :	21.6	21.5	21.6	22.7	21.8
Ortho lines (2D) :	36.8	35.1	33.5	29.6	33.7
Radial plines (2D) :	38.4	42.7	24.1	42.9	37.0
Text and Blocks (2D) :	36.6	32.9	42.9	49.9	40.6
Erase/Zoom (2D) :	96.4	97.5	61.5	56.7	78.0
Average Test Time By DWG =	36.3	39.8	31.2	61.1	
Average Test Time =	42.1				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
AutoCAD version : 18.1s
Graphics Window size : 1256x669 pixels
Test Date (Time) : 05-17-10 (7:42pm)
Computer Brand : ---
CPU Type : Intel Core 2 6600 2,4 Ghz
System RAM : 3,12 GB
Graphics Card : nVidia Geforce 8600 GTS
Graphics Card driver : standard (8.17.11.9621)
Number of Test Loops : 1
Comment : MAP 2011; mit Hardwarebeschleunigung: Autodesk

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	291	375	246	222	273
Rotate Hidden (3D) :	539	489	733	427	526
Rotate Conceptual (3D) :	539	512	758	440	540
Rotate Realistic (3D) :	341	428	146	604	290
2D Array/save (Disk) :	60	52	72	64	61
DXFout (Disk) :	246	320	301	202	259
Save Drawing (Disk) :	71	53	74	64	64
Calculations (CPU) :	144	139	137	131	137
Ortho lines (2D) :	249	189	376	246	249
Radial plines (2D) :	179	121	285	172	173
Text and Blocks (2D) :	91	95	120	95	99
Erase/Zoom (2D) :	84	82	126	132	101
Individual Dwg Index	195	193	221	195	

C2010 Total Index = 191

3D Graphics Index = 407
2D Graphics Index = 134
Disk Index = 84
CPU Index = 137

(Single Loop Time = 35 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	17.5	17.9	11.0	93.0	34.8
Rotate Hidden (3D) :	19.9	26.3	15.3	100.7	40.5
Rotate Conceptual (3D) :	19.9	25.2	14.7	97.7	39.4
Rotate Realistic (3D) :	26.2	32.2	53.3	99.1	52.7
2D Array/save (Disk) :	50.0	52.7	40.7	43.5	46.7
DXFout (Disk) :	16.7	14.0	10.4	20.7	15.5
Save Drawing (Disk) :	39.5	48.9	38.9	43.0	42.6
Calculations (CPU) :	27.1	28.2	28.8	29.5	28.4
Ortho lines (2D) :	44.2	42.6	34.7	29.6	37.8
Radial plines (2D) :	51.6	67.3	27.7	52.2	49.7
Text and Blocks (2D) :	37.3	32.7	42.9	41.0	38.5
Erase/Zoom (2D) :	90.4	94.9	58.9	54.5	74.7
Average Test Time By DWG =	36.7	40.2	31.4	58.7	
Average Test Time =	41.8				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1576x869 pixels
 Test Date (Time) : 05-12-10 (3:11pm)
 Computer Brand : hp dc7700
 CPU Type : Intel Core 2 6300@1.86GHz
 System RAM : 4GB
 Graphics Card : GeForce7600GT | 256MB RAM
 Graphics Card driver : 197.13
 Number of Test Loops : 1
 Comment : Windows 7 64bit

	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (3D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	115	117	83	170	114
Rotate Hidden (3D) :	378	376	553	336	397
Rotate Conceptual (3D) :	365	394	553	344	401
Rotate Realistic (3D) :	20	24	12	110	22
2D Array/save (Disk) :	67	61	62	58	62
DXFout (Disk) :	1070	856	1300	357	705
Save Drawing (Disk) :	78	62	62	59	65
Calculations (CPU) :	105	105	105	103	104
Ortho lines (2D) :	195	150	256	239	201
Radial plines (2D) :	118	97	178	192	135
Text and Blocks (2D) :	67	70	75	93	75
Erase/Zoom (2D) :	68	70	102	151	88
Individual Dwg Index	130	127	155	143	

 C2010 Total Index = 134

 3D Graphics Index = 233
 2D Graphics Index = 108
 Disk Index = 91
 CPU Index = 104

 (Single Loop Time = 76 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	44.2	57.4	32.3	121.3	63.8
Rotate Hidden (3D) :	28.3	34.3	20.2	127.7	52.6
Rotate Conceptual (3D) :	29.4	32.7	20.2	124.7	51.7
Rotate Realistic (3D) :	453.2	571.8	654.1	546.0	556.3
2D Array/save (Disk) :	44.6	45.2	47.1	48.2	46.3
DXFout (Disk) :	3.8	5.2	2.4	11.7	5.8
Save Drawing (Disk) :	36.1	41.6	46.3	46.5	42.6
Calculations (CPU) :	37.2	37.4	37.6	37.7	37.5
Ortho lines (2D) :	56.4	53.8	51.0	30.4	47.9
Radial plines (2D) :	78.0	84.2	44.4	46.7	63.3
Text and Blocks (2D) :	50.8	44.4	68.4	42.1	51.4
Erase/Zoom (2D) :	112.1	111.2	72.8	47.6	85.9
Average Test Time By DWG =	81.2	93.3	91.4	102.5	
Average Test Time =	92.1				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1584x903 pixels
 Test Date (Time) : 05-14-10 (4:07pm)
 Computer Brand : hp dc7700
 CPU Type : Intel Core 2 6300@1.86GHz
 System RAM : 4GB
 Graphics Card : GeForce7600GT | 256MB RAM
 Graphics Card driver : 197.13
 Number of Test Loops : 1
 Comment : Windows XP 32bit

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index

Rotate Wireframe (3D) :	189	153	157	175	167
Rotate Hidden (3D) :	304	307	456	273	323
Rotate Conceptual (3D) :	302	320	457	279	328
Rotate Realistic (3D) :	21	25	12	122	22
2D Array/save (Disk) :	68	61	66	57	63
DXFout (Disk) :	1356	1079	1704	449	893
Save Drawing (Disk) :	82	65	69	59	68
Calculations (CPU) :	114	114	113	112	113
Ortho lines (2D) :	291	235	340	254	274
Radial plines (2D) :	230	186	279	208	221
Text and Blocks (2D) :	86	83	100	88	89
Erase/Zoom (2D) :	128	126	174	170	146

Individual Dwg Index	143	136	166	140	

 C2010 Total Index = 142

 3D Graphics Index = 210
 2D Graphics Index = 152
 Disk Index = 94
 CPU Index = 113

 (Single Loop Time = 69 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe (3D) :	27.0	43.8	17.2	118.1	51.5
Rotate Hidden (3D) :	35.3	42.0	24.5	157.3	64.8
Rotate Conceptual (3D) :	35.5	40.2	24.5	153.7	63.5
Rotate Realistic (3D) :	433.1	552.2	638.9	490.6	528.7
2D Array/save (Disk) :	44.2	45.1	44.2	48.9	45.6
DXFout (Disk) :	3.0	4.2	1.8	9.3	4.6
Save Drawing (Disk) :	34.4	40.1	41.6	46.3	40.6
Calculations (CPU) :	34.2	34.3	34.7	34.7	34.5
Ortho lines (2D) :	37.9	34.3	38.4	28.6	34.8
Radial plines (2D) :	40.1	43.9	28.2	43.2	38.8
Text and Blocks (2D) :	39.2	37.5	51.1	44.4	43.0
Erase/Zoom (2D) :	59.5	62.2	42.6	42.2	51.6

Average Test Time By DWG =	68.6	81.6	82.3	101.4	
Average Test Time =	83.5				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1598x843 pixels
 Test Date (Time) : 05-19-10 (10:41am)
 Computer Brand : ---
 CPU Type : Intel Core2 E8600 3.33GHz
 System RAM : 3,2GB
 Graphics Card : GeForce GTX 260
 Graphics Card driver : 182.50
 Number of Test Loops : 1
 Comment : XP32bit

	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (3D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	460	699	428	432	485
Rotate Hidden (3D) :	538	596	810	493	588
Rotate Conceptual (3D) :	534	579	805	461	570
Rotate Realistic (3D) :	1351	936	1393	552	922
2D Array/save (Disk) :	87	85	91	86	87
DXFout (Disk) :	190	225	231	116	176
Save Drawing (Disk) :	117	92	102	86	98
Calculations (CPU) :	246	249	250	245	247
Ortho lines (2D) :	318	294	345	320	318
Radial plines (2D) :	243	238	293	264	258
Text and Blocks (2D) :	130	140	132	132	134
Erase/Zoom (2D) :	304	295	306	252	287
Individual Dwg Index	326	321	365	260	

 C2010 Total Index = 305

 3D Graphics Index = 641
 2D Graphics Index = 222
 Disk Index = 110
 CPU Index = 247

 (Single Loop Time = 24 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	11.1	9.6	6.3	47.8	18.7
Rotate Hidden (3D) :	19.9	21.6	13.8	87.1	35.6
Rotate Conceptual (3D) :	20.1	22.3	13.9	93.2	37.4
Rotate Realistic (3D) :	6.6	14.7	5.6	108.4	33.8
2D Array/save (Disk) :	34.6	32.3	32.0	32.6	32.9
DXFout (Disk) :	21.6	20.0	13.6	36.1	22.8
Save Drawing (Disk) :	24.1	28.3	28.2	31.9	28.1
Calculations (CPU) :	15.8	15.7	15.8	15.8	15.8
Ortho lines (2D) :	34.5	27.4	37.8	22.7	30.6
Radial plines (2D) :	38.0	34.4	26.9	33.9	33.3
Text and Blocks (2D) :	25.9	22.1	38.9	29.4	29.1
Erase/Zoom (2D) :	25.1	26.5	24.3	28.4	26.1
Average Test Time By DWG =	23.1	22.9	21.4	47.3	
Average Test Time =	28.7				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1916x758 pixels
 Test Date (Time) : 05-31-10 (9:2pm)
 Computer Brand : Dell Precision M4500
 CPU Type : Intel Core i7 Q720
 System RAM : 4 GB
 Graphics Card : nVidia Quadro FX 880M
 Graphics Card driver : 197.16 WHQL
 Number of Test Loops : 1
 Comment : AutoCAD 2011 auf Win7 64bit

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	272	229	197	241	232
Rotate Hidden (3D) :	593	564	867	499	604
Rotate Conceptual (3D) :	570	599	865	528	618
Rotate Realistic (3D) :	59	73	37	315	66
2D Array/save (Disk) :	96	99	105	97	99
DXFout (Disk) :	259	334	323	206	270
Save Drawing (Disk) :	116	104	109	95	105
Calculations (CPU) :	167	164	161	152	161
Ortho lines (2D) :	357	313	457	356	364
Radial plines (2D) :	277	204	374	244	262
Text and Blocks (2D) :	112	114	132	121	119
Erase/Zoom (2D) :	226	211	266	243	235
Individual Dwg Index	218	212	259	218	

 C2010 Total Index = 219

 3D Graphics Index = 380
 2D Graphics Index = 208
 Disk Index = 129
 CPU Index = 161

 (Single Loop Time = 35 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	18.7	29.3	13.7	85.6	36.8
Rotate Hidden (3D) :	18.1	22.8	12.9	86.2	35.0
Rotate Conceptual (3D) :	18.8	21.5	12.9	81.4	33.7
Rotate Realistic (3D) :	150.9	188.3	210.8	190.2	185.0
2D Array/save (Disk) :	31.4	27.8	27.8	28.9	29.0
DXFout (Disk) :	15.8	13.4	9.7	20.4	14.8
Save Drawing (Disk) :	24.1	25.0	26.5	28.9	26.1
Calculations (CPU) :	23.3	23.9	24.5	25.4	24.3
Ortho lines (2D) :	30.8	25.7	28.6	20.4	26.4
Radial plines (2D) :	33.3	40.0	21.1	36.7	32.8
Text and Blocks (2D) :	30.3	27.3	38.8	32.2	32.1
Erase/Zoom (2D) :	33.8	37.1	27.9	29.5	32.1
Average Test Time By DWG =	35.8	40.2	37.9	55.5	
Average Test Time =	42.3				

CADALYST Systems Benchmark 2010

Test version 5.3 ; Jan-2010

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 17.0s
 Graphics Window size : 1388x708 pixels
 Test Date (Time) : 05-24-10 (10:15pm)
 Computer Brand : ---
 CPU Type : --- (Intel E8400 3.0GHz)
 System RAM : --- (4GB)
 Graphics Card : --- (ATI1950 512RAM)
 Graphics Card driver : ---
 Number of Test Loops : 1
 Comment : ---

Drawing (2D)====>		c2010_1	c2010_2	c2010_3	c2010_4	Test Index
2D Array/save (Disk) :		132	112	141	104	120
DXFout (Disk) :		152	170	223	113	155
Save Drawing (Disk) :		161	122	151	105	131
Calculations (CPU) :		194	194	196	193	194
Ortho lines (2D) :		405	332	581	397	411
Radial plines (2D) :		339	288	491	350	354
Text and Blocks (2D) :		174	172	203	182	182
Erase/Zoom (2D) :		295	300	360	392	332
Individual Dwg Index		205	194	237	199	

C2010 Total Index = N/A

3D Graphics Index = N/A

2D Graphics Index = 291

Disk Index = 134

CPU Index = 194

(Single Loop Time = 13 min)

***** Test Data: Actual Times (sec)

Drawing====>		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
2D Array/save (Disk) :		22.8	24.7	20.7	26.8	23.7
DXFout (Disk) :		26.8	26.4	14.1	37.1	26.1
Save Drawing (Disk) :		17.4	21.2	19.1	26.1	20.9
Calculations (CPU) :		20.1	20.1	20.1	20.1	20.1
Ortho lines (2D) :		27.2	24.3	22.5	18.3	23.1
Radial plines (2D) :		27.2	28.4	16.0	25.6	24.3
Text and Blocks (2D) :		19.4	18.0	25.3	21.5	21.0
Erase/Zoom (2D) :		25.9	26.0	20.6	18.3	22.7
Average Test Time By DWG =		23.3	23.6	19.8	24.2	
Average Test Time =		22.8				

CADALYST Systems Benchmark 2010
 Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1205x586 pixels
 Test Date (Time) : 05-09-10 (8:55pm)
 Computer Brand : ---
 CPU Type : --- (reale Maschine mit Intel T6400 - 2GHZ)
 System RAM : --- (virtuell 1,5GB bei 4 GB real)
 Graphics Card : --- (Standard VirtualBox 3.1.8 mit 128Mb + 2D&3D Beschleunigung)
 Graphics Card driver : ---
 Number of Test Loops : 1
 Comment : ---

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	Test Index
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	
Rotate Wireframe (3D) :	18.2	15.7	11.5	12.7	14.1
Rotate Hidden (3D) :	25.6	23.7	30.5	29.5	27.0
Rotate Conceptual (3D) :	20.9	21.3	27.6	22.7	22.8
Rotate Realistic (3D) :	11.7	13.1	11.3	12.7	12.1
2D Array/save (Disk) :	26.4	24.0	29.4	24.5	25.9
DXFout (Disk) :	31.5	40.5	51.6	26.0	35.0
Save Drawing (Disk) :	31.3	24.8	29.7	24.7	27.3
Calculations (CPU) :	139.1	139.5	140.3	136.7	138.9
Ortho lines (2D) :	193.4	175.6	266.7	196.8	203.1
Radial plines (2D) :	171.2	156.2	226.4	173.5	178.4
Text and Blocks (2D) :	63.1	67.2	82.1	74.7	71.1
Erase/Zoom (2D) :	132.8	132.2	166.2	153.4	144.8

Individual Dwg Index	76.0	75.5	86.7	77.8	

 C2010 Total Index = 78.4

 3D Graphics Index = 19.0
 2D Graphics Index = 127.0
 Disk Index = 28.9
 CPU Index = 138.9

 (Single Loop Time = 306 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	279.1	428.2	234.2	1628.5	642.5
Rotate Hidden (3D) :	419.3	544.0	367.1	1454.0	696.1
Rotate Conceptual (3D) :	513.3	606.5	404.7	1890.6	853.8
Rotate Realistic (3D) :	764.8	1053.0	689.8	4724.8	1808.1
2D Array/save (Disk) :	113.8	114.7	99.4	114.0	110.5
DXFout (Disk) :	129.8	110.8	60.9	161.5	115.8
Save Drawing (Disk) :	89.9	104.7	96.9	111.2	100.7
Calculations (CPU) :	28.0	28.1	28.1	28.3	28.1
Ortho lines (2D) :	56.9	45.8	49.0	36.9	47.2
Radial plines (2D) :	53.9	52.3	34.8	51.6	48.2
Text and Blocks (2D) :	53.5	46.1	62.6	52.2	53.6
Erase/Zoom (2D) :	57.5	59.1	44.7	46.8	52.0

Average Test Time By DWG =	213.3	266.1	181.0	858.4	
Average Test Time =	379.7				

CADALYST Systems Benchmark 2010
Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
AutoCAD version : 18.1s
Graphics Window size : 1916x758 pixels
Test Date (Time) : 06-01-10 (5:03pm)
Computer Brand : Dell Precision M4500
CPU Type : Intel Core i7 Q720
System RAM : 4 GB RAM
Graphics Card : nVidia Quadro FX 880M
Graphics Card driver : AutoCAD Performance Treiber
Number of Test Loops : 1
Comment : AutoCAD 2011 auf Win7 64 bit

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index
Rotate Wireframe (3D) :	40	54	22	147	42
Rotate Hidden (3D) :	886	1063	926	3508	1165
Rotate Conceptual (3D) :	886	1063	927	2676	1136
Rotate Realistic (3D) :	74	114	64	495	100
2D Array/save (Disk) :	87	99	100	88	93
DXFout (Disk) :	239	319	327	201	261
Save Drawing (Disk) :	111	97	108	97	103
Calculations (CPU) :	161	161	155	144	155
Ortho lines (2D) :	338	318	448	324	350
Radial plines (2D) :	253	200	344	236	249
Text and Blocks (2D) :	109	112	131	119	117
Erase/Zoom (2D) :	213	202	263	241	227
Individual Dwg Index	236	261	254	541	

C2010 Total Index = 273

3D Graphics Index = 611
2D Graphics Index = 202
Disk Index = 123
CPU Index = 155

(Single Loop Time = 34 min)

***** Test Data: Actual Times (sec)						
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test	
					(avg)	
Rotate Wireframe (3D) :	127.8	125.2	123.4	140.5	129.2	
Rotate Hidden (3D) :	12.1	12.1	12.1	12.2	12.1	
Rotate Conceptual (3D) :	12.1	12.1	12.1	16.1	13.1	
Rotate Realistic (3D) :	121.7	120.7	120.7	120.8	121.0	
2D Array/save (Disk) :	34.6	27.8	29.2	31.8	30.9	
DXFout (Disk) :	17.1	14.0	9.6	20.9	15.4	
Save Drawing (Disk) :	25.3	26.8	26.7	28.2	26.8	
Calculations (CPU) :	24.2	24.4	25.5	27.0	25.3	
Ortho lines (2D) :	32.6	25.3	29.2	22.4	27.4	
Radial plines (2D) :	36.5	40.8	22.9	38.0	34.5	
Text and Blocks (2D) :	31.1	27.6	39.2	32.7	32.7	
Erase/Zoom (2D) :	35.9	38.7	28.2	29.7	33.1	
Average Test Time By DWG =	42.6	41.3	39.9	43.3		
Average Test Time =	41.8					

CADALYST Systems Benchmark 2010
Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x86)
AutoCAD version : 18.0s
Graphics Window size : 1916x1037 pixels
Test Date (Time) : 07-09-10 (11:54am)
Computer Brand : ---
CPU Type : i7 920
System RAM : 6 GB
Graphics Card : Quattro FX 1800
Graphics Card driver : ---
Number of Test Loops : 5
Comment : ---

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index

Rotate Wireframe (3D) :	272	251	198	316	252
Rotate Hidden (3D) :	980	877	1125	767	919
Rotate Conceptual (3D) :	995	909	1117	736	918
Rotate Realistic (3D) :	539	548	410	733	534
2D Array/save (Disk) :	101	93	101	90	96
DXFout (Disk) :	274	342	335	214	281
Save Drawing (Disk) :	116	97	103	92	101
Calculations (CPU) :	221	222	223	218	221
Ortho lines (2D) :	519	442	588	475	500
Radial plines (2D) :	417	357	489	389	407
Text and Blocks (2D) :	139	135	164	151	146
Erase/Zoom (2D) :	315	311	371	358	337

Individual Dwg Index	331	312	347	313	

C2010 Total Index = 321

3D Graphics Index = 656
2D Graphics Index = 281
Disk Index = 126
CPU Index = 221

(Single Loop Time = 20 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe (3D) :	18.7	26.7	13.6	65.3	31.1
Rotate Hidden (3D) :	10.9	14.7	9.9	56.0	22.9
Rotate Conceptual (3D) :	10.8	14.2	10.0	58.4	23.3
Rotate Realistic (3D) :	16.6	25.1	18.9	81.6	35.6
2D Array/save (Disk) :	29.8	29.8	28.9	31.0	29.9
DXFout (Disk) :	14.9	13.1	9.4	19.6	14.2
Save Drawing (Disk) :	24.1	26.7	28.0	29.9	27.2
Calculations (CPU) :	17.7	17.6	17.6	17.7	17.7
Ortho lines (2D) :	21.2	18.2	22.2	15.3	19.2
Radial plines (2D) :	22.1	22.9	16.1	23.0	21.0
Text and Blocks (2D) :	24.4	23.0	31.2	25.8	26.1
Erase/Zoom (2D) :	24.3	25.1	20.0	20.0	22.3

Average Test Time By DWG =	19.6	21.4	18.8	37.0	
Average Test Time =	24.2				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1276x653 pixels
 Test Date (Time) : 07-13-10 (1:06pm)
 Computer Brand : ---
 CPU Type : i7-920 / 2.66 GHz Turbo Mode eingeschaltet
 System RAM : 6GB DDR3 2000 MHz (Kingston Hyper X)
 Graphics Card : PNY Quadro FX 1800
 Graphics Card driver : 18.1.4
 Number of Test Loops : 1
 Comment : WHIPTHREAD=3 ; RAID 0 ; Windows 7 64 bit

 Drawing (3D)====> c2011_5 c2011_6 c2011_7 c2011_8
 Drawing (2D)====> c2011_1 c2011_2 c2011_3 c2011_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 329 344 262 617 351
 Rotate Hidden (3D) : 5450 4281 5011 7190 5293
 Rotate Conceptual (3D) : 4737 3935 4811 6816 4879
 Rotate Realistic (3D) : 357 426 237 1454 398
 2D Array/save (Disk) : 116 114 120 105 114
 DXFout (Disk) : 310 388 390 242 320
 Save Drawing (Disk) : 137 112 121 100 116
 Calculations (CPU) : 198 199 200 195 198
 Ortho lines (2D) : 318 292 485 302 335
 Radial plines (2D) : 149 159 319 178 184
 Text and Blocks (2D) : 98 113 134 101 110
 Erase/Zoom (2D) : 154 156 233 211 182
 - - - - -
 Individual Dwg Index 806 688 793 1128

 C2011 Total Index = 812

 3D Graphics Index = 2730
 2D Graphics Index = 174
 Disk Index = 146
 CPU Index = 198

 (Single Loop Time = 20 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test
 (avg)
 - - - - -
 Rotate Wireframe (3D) : 15.5 19.5 10.3 33.5 19.7
 Rotate Hidden (3D) : 2.0 3.0 2.2 6.0 3.3
 Rotate Conceptual (3D) : 2.3 3.3 2.3 6.3 3.5
 Rotate Realistic (3D) : 25.1 32.3 32.8 41.2 32.8
 2D Array/save (Disk) : 25.8 24.2 24.4 26.5 25.2
 DXFout (Disk) : 13.2 11.6 8.0 17.3 12.5
 Save Drawing (Disk) : 20.5 23.1 23.8 27.6 23.8
 Calculations (CPU) : 19.6 19.7 19.7 19.9 19.7
 Ortho lines (2D) : 34.6 27.5 27.0 24.1 28.3
 Radial plines (2D) : 61.7 51.4 24.7 50.3 47.0
 Text and Blocks (2D) : 34.6 27.5 38.3 38.5 34.7
 Erase/Zoom (2D) : 49.6 50.2 31.9 34.1 41.4
 - - - - -
 Average Test Time By DWG = 25.4 24.4 20.5 27.1
 Average Test Time = 24.3

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1632x742 pixels
 Test Date (Time) : 07-13-10 (5:13pm)
 Computer Brand : Lenovo
 CPU Type : IntelCore 2 Q6600, 2,4 Ghz
 System RAM : 4 GB
 Graphics Card : nVidia Quadro FX 1700
 Graphics Card driver : 8.15.11.9038
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	265	186	211	203	213
Rotate Hidden (3D) :	482	479	718	416	503
Rotate Conceptual (3D) :	486	509	714	432	517
Rotate Realistic (3D) :	203	101	113	653	159
2D Array/save (Disk) :	57	54	62	53	56
DXFout (Disk) :	253	323	293	195	257
Save Drawing (Disk) :	75	57	61	54	61
Calculations (CPU) :	150	150	148	145	148
Ortho lines (2D) :	272	203	380	269	268
Radial plines (2D) :	193	136	289	183	187
Text and Blocks (2D) :	92	96	118	97	100
Erase/Zoom (2D) :	114	109	155	159	130
Individual Dwg Index	184	168	215	199	

 C2011 Total Index = 181

3D Graphics Index = 348
 2D Graphics Index = 149
 Disk Index = 79
 CPU Index = 148

 (Single Loop Time = 37 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	19.2	36.1	12.8	101.6	42.4
Rotate Hidden (3D) :	22.2	26.9	15.6	103.1	42.0
Rotate Conceptual (3D) :	22.0	25.3	15.7	99.5	40.6
Rotate Realistic (3D) :	44.1	136.7	68.7	91.6	85.3
2D Array/save (Disk) :	52.4	51.0	47.3	52.3	50.7
DXFout (Disk) :	16.2	13.9	10.7	21.5	15.6
Save Drawing (Disk) :	37.3	45.8	47.2	50.8	45.3
Calculations (CPU) :	25.9	26.1	26.6	26.6	26.3
Ortho lines (2D) :	40.5	39.6	34.4	27.1	35.4
Radial plines (2D) :	47.7	60.2	27.2	48.8	46.0
Text and Blocks (2D) :	36.8	32.3	43.6	40.0	38.2
Erase/Zoom (2D) :	67.2	71.9	47.9	45.2	58.0
Average Test Time By DWG =	36.0	47.1	33.1	59.0	
Average Test Time =	43.8				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1859x782 pixels
 Test Date (Time) : 07-13-10 (1:53pm)
 Computer Brand : n/a
 CPU Type : Q9550 @ 2.83GHz
 System RAM : 3,25 GB RAM
 Graphics Card : ATI Radeon HD 4800 Series
 Graphics Card driver : 8.632.0.0
 Number of Test Loops : 1
 Comment : updated C2011 - Autodesk

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	31	40	17	96	32
Rotate Hidden (3D) :	288	319	363	392	336
Rotate Conceptual (3D) :	284	317	362	381	332
Rotate Realistic (3D) :	56	80	49	208	72
2D Array/save (Disk) :	63	54	67	54	59
DXFout (Disk) :	84	114	138	81	99
Save Drawing (Disk) :	79	57	71	55	64
Calculations (CPU) :	201	202	202	199	201
Ortho lines (2D) :	434	406	483	415	433
Radial plines (2D) :	358	334	403	347	359
Text and Blocks (2D) :	126	128	147	135	133
Erase/Zoom (2D) :	266	263	318	294	283
Individual Dwg Index	169	173	190	194	

 C2011 Total Index = 178

3D Graphics Index = 193
 2D Graphics Index = 248
 Disk Index = 70
 CPU Index = 201

 (Single Loop Time = 50 min)

***** Test Data: Actual Times (sec)						
Drawing====>		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :		164.4	168.2	158.7	214.7	176.5
Rotate Hidden (3D) :		37.2	40.4	30.8	109.7	54.5
Rotate Conceptual (3D) :		37.7	40.6	30.9	112.7	55.5
Rotate Realistic (3D) :		160.2	173.0	159.0	287.5	194.9
2D Array/save (Disk) :		47.7	50.8	43.3	51.8	48.4
DXFout (Disk) :		48.5	39.4	22.8	51.9	40.6
Save Drawing (Disk) :		35.6	45.6	40.6	50.4	43.0
Calculations (CPU) :		19.4	19.4	19.5	19.5	19.5
Ortho lines (2D) :		25.4	19.8	27.1	17.5	22.4
Radial plines (2D) :		25.8	24.5	19.5	25.8	23.9
Text and Blocks (2D) :		26.8	24.3	35.0	28.9	28.7
Erase/Zoom (2D) :		28.7	29.7	23.4	24.4	26.6
Average Test Time By DWG =		54.8	56.3	50.9	82.9	
Average Test Time =		61.2				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1859x782 pixels
 Test Date (Time) : 07-13-10 (5:21pm)
 Computer Brand : n/a
 CPU Type : Q9550 @ 2.83GHz
 System RAM : 3,25 GB RAM
 Graphics Card : ATI Radeon HD 4800 Series
 Graphics Card driver : 8.632.0.0
 Number of Test Loops : 1
 Comment : updated C2011 - direct3D

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	68	94	39	144	69
Rotate Hidden (3D) :	402	434	536	445	449
Rotate Conceptual (3D) :	395	415	522	429	435
Rotate Realistic (3D) :	130	183	117	229	154
2D Array/save (Disk) :	60	54	64	53	57
DXFout (Disk) :	81	110	128	70	92
Save Drawing (Disk) :	79	58	72	53	64
Calculations (CPU) :	195	197	197	195	196
Ortho lines (2D) :	223	306	284	376	287
Radial plines (2D) :	185	254	238	316	239
Text and Blocks (2D) :	99	119	106	128	112
Erase/Zoom (2D) :	220	245	239	272	243
Individual Dwg Index	170	187	192	199	

 C2011 Total Index = 184

3D Graphics Index = 277
 2D Graphics Index = 193
 Disk Index = 68
 CPU Index = 196

 (Single Loop Time = 40 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	74.7	71.2	68.6	143.7	89.6
Rotate Hidden (3D) :	26.7	29.7	20.9	96.6	43.4
Rotate Conceptual (3D) :	27.1	31.1	21.4	100.1	44.9
Rotate Realistic (3D) :	68.8	75.0	66.2	261.5	117.9
2D Array/save (Disk) :	49.8	50.7	45.8	52.7	49.8
DXFout (Disk) :	50.4	40.9	24.5	59.6	43.9
Save Drawing (Disk) :	35.7	45.0	39.7	52.0	43.1
Calculations (CPU) :	20.0	19.8	20.0	19.9	19.9
Ortho lines (2D) :	49.3	26.3	46.0	19.3	35.2
Radial plines (2D) :	49.8	32.2	33.1	28.3	35.9
Text and Blocks (2D) :	34.3	25.9	48.3	30.5	34.8
Erase/Zoom (2D) :	34.7	32.0	31.1	26.4	31.0
Average Test Time By DWG =	43.4	40.0	38.8	74.2	
Average Test Time =	49.1				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1855x894 pixels
 Test Date (Time) : 08-09-10 (9:01pm)
 Computer Brand : Dell Precision M6500
 CPU Type : Intel Core i7 820QM
 System RAM : 4GB DDR3 1333Mhz
 Graphics Card : Nvidia QuadroFX 2800M
 Graphics Card driver : ...
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	403	458	348	307	370
Rotate Hidden (3D) :	729	685	1121	607	745
Rotate Conceptual (3D) :	717	740	1083	645	766
Rotate Realistic (3D) :	505	645	347	842	527
2D Array/save (Disk) :	128	126	127	123	126
DXFout (Disk) :	322	407	415	260	338
Save Drawing (Disk) :	156	135	131	121	135
Calculations (CPU) :	201	201	202	199	200
Ortho lines (2D) :	500	433	608	479	497
Radial plines (2D) :	366	282	476	334	352
Text and Blocks (2D) :	145	140	174	156	153
Erase/Zoom (2D) :	288	276	361	334	311
Individual Dwg Index	307	311	355	306	

 C2011 Total Index = 310

 3D Graphics Index = 602
 2D Graphics Index = 274
 Disk Index = 164
 CPU Index = 200

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.6	14.7	7.7	67.2	25.6
Rotate Hidden (3D) :	14.7	18.8	10.0	70.8	28.6
Rotate Conceptual (3D) :	14.9	17.4	10.3	66.6	27.3
Rotate Realistic (3D) :	17.7	21.3	22.4	71.0	33.1
2D Array/save (Disk) :	23.4	21.9	23.0	22.7	22.8
DXFout (Disk) :	12.7	11.0	7.6	16.1	11.9
Save Drawing (Disk) :	18.0	19.3	21.9	22.7	20.5
Calculations (CPU) :	19.4	19.5	19.5	19.5	19.5
Ortho lines (2D) :	22.0	18.6	21.5	15.2	19.3
Radial plines (2D) :	25.2	29.0	16.5	26.8	24.4
Text and Blocks (2D) :	23.3	22.1	29.5	25.1	25.0
Erase/Zoom (2D) :	26.5	28.3	20.5	21.5	24.2
Average Test Time By DWG =	19.2	20.2	17.5	37.1	
Average Test Time =	23.5				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1424x601 pixels
 Test Date (Time) : 08-17-10 (9:42pm)
 Computer Brand : HP Pavillon dv9000
 CPU Type : Intel core 2CPU T7200 2.0Ghz
 System RAM : 2GB
 Graphics Card : Geforce GO 7600
 Graphics Card driver : 6.14.11.7948
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	188	157	152	231	177
Rotate Hidden (3D) :	367	366	530	307	377
Rotate Conceptual (3D) :	363	356	526	296	369
Rotate Realistic (3D) :	290	271	260	319	283
2D Array/save (Disk) :	63	67	66	73	67
DXFout (Disk) :	49	70	81	61	63
Save Drawing (Disk) :	78	77	72	75	75
Calculations (CPU) :	143	144	144	134	141
Ortho lines (2D) :	242	268	273	291	267
Radial plines (2D) :	199	216	229	244	221
Text and Blocks (2D) :	82	90	91	95	89
Erase/Zoom (2D) :	188	193	206	215	200
Individual Dwg Index	164	166	188	167	

 C2011 Total Index = 169

3D Graphics Index = 302
 2D Graphics Index = 164
 Disk Index = 68
 CPU Index = 141

 (Single Loop Time = 39 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	27.0	42.7	17.7	89.4	44.2
Rotate Hidden (3D) :	29.2	35.2	21.1	140.0	56.4
Rotate Conceptual (3D) :	29.5	36.2	21.3	144.9	58.0
Rotate Realistic (3D) :	30.9	50.8	29.9	187.4	74.8
2D Array/save (Disk) :	47.9	41.1	44.5	38.4	43.0
DXFout (Disk) :	83.7	64.4	38.6	68.3	63.8
Save Drawing (Disk) :	36.1	33.7	40.1	36.7	36.7
Calculations (CPU) :	27.2	27.2	27.4	28.8	27.7
Ortho lines (2D) :	45.5	30.0	48.0	25.0	37.1
Radial plines (2D) :	46.3	37.9	34.4	36.7	38.8
Text and Blocks (2D) :	41.0	34.5	56.2	41.1	43.2
Erase/Zoom (2D) :	40.7	40.4	36.1	33.4	37.6
Average Test Time By DWG =	40.4	39.5	34.6	72.5	
Average Test Time =	46.8				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1916x898 pixels
 Test Date (Time) : 08-18-10 (6:51pm)
 Computer Brand : Dell vostro
 CPU Type : Intel Core 2 Duo T9550, 2.66GHz
 System RAM : 3GB
 Graphics Card : nvidia Geforce 9600M GS
 Graphics Card driver : 6.14.11.8585
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	220	191	151	272	199
Rotate Hidden (3D) :	532	502	774	455	543
Rotate Conceptual (3D) :	528	486	772	482	546
Rotate Realistic (3D) :	378	389	281	288	327
2D Array/save (Disk) :	80	77	81	75	78
DXFout (Disk) :	72	92	117	57	79
Save Drawing (Disk) :	106	83	84	76	86
Calculations (CPU) :	207	209	210	207	208
Ortho lines (2D) :	320	354	379	410	363
Radial plines (2D) :	273	300	317	351	308
Text and Blocks (2D) :	122	130	129	139	130
Erase/Zoom (2D) :	268	273	293	301	283
Individual Dwg Index	230	228	258	226	

 C2011 Total Index = 231

3D Graphics Index = 404
 2D Graphics Index = 232
 Disk Index = 81
 CPU Index = 208

 (Single Loop Time = 30 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	23.2	35.2	17.8	76.0	38.0
Rotate Hidden (3D) :	20.1	25.7	14.4	94.4	38.7
Rotate Conceptual (3D) :	20.3	26.5	14.5	89.1	37.6
Rotate Realistic (3D) :	23.7	35.4	27.7	207.6	73.6
2D Array/save (Disk) :	37.3	36.0	35.9	37.0	36.6
DXFout (Disk) :	56.6	48.9	26.8	73.6	51.5
Save Drawing (Disk) :	26.6	31.4	34.4	36.1	32.1
Calculations (CPU) :	18.9	18.8	18.7	18.7	18.8
Ortho lines (2D) :	34.4	22.7	34.5	17.7	27.3
Radial plines (2D) :	33.8	27.2	24.9	25.5	27.8
Text and Blocks (2D) :	27.7	23.8	39.9	28.1	29.9
Erase/Zoom (2D) :	28.5	28.6	25.3	23.8	26.6
Average Test Time By DWG =	29.3	30.0	26.2	60.6	
Average Test Time =	36.5				

CADALYST Systems Benchmark 2010
Test version 5.3 ; Jan-2010
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OS Platform : Microsoft Windows NT Version 5.2 (x64)
AutoCAD version : 18.0s
Graphics Window size : 1676x677 pixels
Test Date (Time) : 09-16-10 (1:2pm)
Computer Brand : DELL PRECISION T3500
CPU Type : Intel(R) XEON(R) CPU W3503 @ 2.4GHz
System RAM : 8,00 GB RAM
Graphics Card : NVIDIA Quadro FX 3800
Graphics Card driver : 6.14.12.5912
Number of Test Loops : 1
Comment : Manuel Kuhn

Drawing (3D)====>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>	c2010_1	c2010_2	c2010_3	c2010_4	Test Index

Rotate Wireframe (3D) :	545	613	487	343	475
Rotate Hidden (3D) :	1122	1087	2175	627	1035
Rotate Conceptual (3D) :	1097	1043	2105	654	1032
Rotate Realistic (3D) :	1243	962	1159	521	865
2D Array/save (Disk) :	127	120	116	113	119
DXFout (Disk) :	162	198	229	170	186
Save Drawing (Disk) :	154	127	124	115	128
Calculations (CPU) :	184	186	190	187	187
Ortho lines (2D) :	436	398	496	415	433
Radial plines (2D) :	364	338	415	352	365
Text and Blocks (2D) :	118	125	150	137	132
Erase/Zoom (2D) :	216	210	278	279	241

Individual Dwg Index	388	368	522	275	

C2010 Total Index = 354

3D Graphics Index = 851
2D Graphics Index = 238
Disk Index = 139
CPU Index = 187

(Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe (3D) :	9.3	10.9	5.5	60.1	21.5
Rotate Hidden (3D) :	9.5	11.9	5.1	68.5	23.8
Rotate Conceptual (3D) :	9.8	12.4	5.3	65.7	23.3
Rotate Realistic (3D) :	7.2	14.3	6.7	114.9	35.8
2D Array/save (Disk) :	23.7	23.0	25.1	24.6	24.1
DXFout (Disk) :	25.3	22.6	13.7	24.7	21.6
Save Drawing (Disk) :	18.3	20.3	23.3	23.9	21.4
Calculations (CPU) :	21.2	21.0	20.7	20.7	20.9
Ortho lines (2D) :	25.3	20.2	26.4	17.5	22.3
Radial plines (2D) :	25.3	24.2	19.0	25.5	23.5
Text and Blocks (2D) :	28.6	24.7	34.3	28.4	29.0
Erase/Zoom (2D) :	35.3	37.3	26.7	25.8	31.3

Average Test Time By DWG =	19.9	20.2	17.6	41.7	
Average Test Time =	24.9				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1199x776 pixels
 Test Date (Time) : 10-29-10 (11:11am)
 Computer Brand : Terra 1000914
 CPU Type : Intel Core i5 680 3.6GHz
 System RAM : 8GB 1333MHz
 Graphics Card : Nvidia GTX460 1024MB
 Graphics Card driver : 8.17.12.6099
 Number of Test Loops : Intel SSD 2.5" 80GB S-ATA II X25-M MLC
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	560	811	431	301	462
Rotate Hidden (3D) :	958	891	1469	775	967
Rotate Conceptual (3D) :	962	988	1475	829	1016
Rotate Realistic (3D) :	460	579	284	891	468
2D Array/save (Disk) :	152	148	150	141	147
DXFout (Disk) :	386	516	523	332	423
Save Drawing (Disk) :	186	155	162	145	161
Calculations (CPU) :	267	268	269	265	267
Ortho lines (2D) :	595	521	730	566	594
Radial plines (2D) :	413	317	549	375	397
Text and Blocks (2D) :	157	153	191	186	170
Erase/Zoom (2D) :	261	259	350	351	298
Individual Dwg Index	372	385	436	364	

 C2011 Total Index = 372

 3D Graphics Index = 728
 2D Graphics Index = 298
 Disk Index = 195
 CPU Index = 267

 (Single Loop Time = 17 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	9.1	8.3	6.3	68.5	23.0
Rotate Hidden (3D) :	11.2	14.5	7.6	55.4	22.2
Rotate Conceptual (3D) :	11.1	13.0	7.6	51.8	20.9
Rotate Realistic (3D) :	19.4	23.8	27.3	67.2	34.4
2D Array/save (Disk) :	19.8	18.6	19.5	19.8	19.4
DXFout (Disk) :	10.6	8.7	6.0	12.6	9.5
Save Drawing (Disk) :	15.1	16.8	17.7	18.9	17.1
Calculations (CPU) :	14.6	14.6	14.6	14.6	14.6
Ortho lines (2D) :	18.5	15.4	17.9	12.8	16.2
Radial plines (2D) :	22.4	25.8	14.4	23.9	21.6
Text and Blocks (2D) :	21.5	20.3	26.8	21.0	22.4
Erase/Zoom (2D) :	29.3	30.2	21.2	20.4	25.3
Average Test Time By DWG =	16.9	17.5	15.6	32.3	
Average Test Time =	20.6				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1838x1057 pixels
 Test Date (Time) : 02-02-11 (12:01am)
 Computer Brand : Terra 1000914
 CPU Type : Intel Core i5 680 3.6GHz @ 4.0GHz
 System RAM : 8GB 1333MHz
 Graphics Card : Nvidia GTX460 1024MB
 Graphics Card driver : 8.17.12.6099
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	580	671	557	393	530
Rotate Hidden (3D) :	968	956	1686	848	1038
Rotate Conceptual (3D) :	958	1002	1693	891	1065
Rotate Realistic (3D) :	267	392	196	1095	325
2D Array/save (Disk) :	114	124	132	113	120
DXFout (Disk) :	439	663	588	363	485
Save Drawing (Disk) :	130	129	121	111	122
Calculations (CPU) :	260	307	281	265	277
Ortho lines (2D) :	690	689	880	672	724
Radial plines (2D) :	540	492	717	523	556
Text and Blocks (2D) :	171	187	219	209	195
Erase/Zoom (2D) :	254	287	382	386	317
Individual Dwg Index	355	390	474	397	

 C2011 Total Index = 382

 3D Graphics Index = 740 + 12
 2D Graphics Index = 349 + 51
 Disk Index = 162 - 33
 CPU Index = 277 + 10

 (Single Loop Time = 17 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	8.8	10.0	4.8	52.5	19.0
Rotate Hidden (3D) :	11.1	13.5	6.6	50.7	20.5
Rotate Conceptual (3D) :	11.2	12.9	6.6	48.2	19.7
Rotate Realistic (3D) :	33.5	35.1	39.6	54.6	40.7
2D Array/save (Disk) :	26.4	22.2	22.1	24.6	23.8
DXFout (Disk) :	9.3	6.8	5.3	11.5	8.2
Save Drawing (Disk) :	21.7	20.1	23.8	24.7	22.6
Calculations (CPU) :	15.0	12.7	14.0	14.6	14.1
Ortho lines (2D) :	15.9	11.7	14.8	10.8	13.3
Radial plines (2D) :	17.1	16.6	11.0	17.1	15.5
Text and Blocks (2D) :	19.7	16.6	23.5	18.7	19.6
Erase/Zoom (2D) :	30.1	27.2	19.5	18.6	23.8
Average Test Time By DWG =	18.3	17.1	16.0	28.9	
Average Test Time =	20.1				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1150x383 pixels
 Test Date (Time) : 02-02-11 (12:am)
 Computer Brand : xw4200
 CPU Type : pentium 4 3,4ghz
 System RAM : 3gb
 Graphics Card : fx1300
 Graphics Card driver : ---
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	170.8	194.2	134.6	130.3	153.2
Rotate Hidden (3D) :	354.0	290.9	468.9	243.8	320.1
Rotate Conceptual (3D) :	339.5	198.3	392.3	207.7	260.5
Rotate Realistic (3D) :	9.7	10.7	5.5	19.7	9.3
2D Array/save (Disk) :	52.6	50.5	48.4	43.6	48.5
DXFout (Disk) :	84.7	105.3	115.7	52.9	81.9
Save Drawing (Disk) :	64.0	51.4	50.8	44.3	51.7
Calculations (CPU) :	81.1	65.1	50.4	29.1	48.8
Ortho lines (2D) :	148.1	119.6	179.6	91.9	126.7
Radial plines (2D) :	78.7	64.9	145.6	57.7	76.4
Text and Blocks (2D) :	52.5	53.6	66.9	42.0	52.3
Erase/Zoom (2D) :	75.3	63.2	88.4	67.3	72.4
Individual Dwg Index	110.4	92.2	116.3	71.4	

 C2011 Total Index = 91.6

3D Graphics Index = 185.8
 2D Graphics Index = 74.2
 Disk Index = 57.5
 CPU Index = 48.8

(Single Loop Time = 167 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	29.8	34.5	20.0	158.4	60.7
Rotate Hidden (3D) :	30.3	44.3	23.8	176.2	68.7
Rotate Conceptual (3D) :	31.6	65.0	28.5	206.8	83.0
Rotate Realistic (3D) :	920.9	1280.7	1409.4	3036.5	1661.9
2D Array/save (Disk) :	57.0	54.6	60.4	63.9	59.0
DXFout (Disk) :	48.3	42.6	27.2	79.2	49.3
Save Drawing (Disk) :	43.9	50.4	56.6	62.0	53.2
Calculations (CPU) :	48.1	60.1	78.2	133.1	79.9
Ortho lines (2D) :	74.3	67.3	72.8	79.1	73.4
Radial plines (2D) :	117.2	126.0	54.1	155.3	113.2
Text and Blocks (2D) :	64.3	57.8	76.8	92.9	72.9
Erase/Zoom (2D) :	101.5	123.7	84.0	106.7	103.9
Average Test Time By DWG =	130.6	167.2	166.0	362.5	
Average Test Time =	206.6				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1335x467 pixels
 Test Date (Time) : 08-17-10 (9:53am)
 Computer Brand : MacbookPro, late 2008
 CPU Type : Intel Core 2 Duo T9400 2.53 Ghz
 System RAM : 4 GB
 Graphics Card : nVidia 9600 M GT
 Graphics Card driver : 8.16.11.8861
 Number of Test Loops : 1
 Comment : Windows 7 64bit , Bootcamp; C2011 version

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	331	347	333	307	329
Rotate Hidden (3D) :	687	711	1017	556	709
Rotate Conceptual (3D) :	682	687	1008	540	694
Rotate Realistic (3D) :	965	712	783	446	671
2D Array/save (Disk) :	57	66	71	61	63
DXFout (Disk) :	255	320	328	205	267
Save Drawing (Disk) :	73	62	72	56	65
Calculations (CPU) :	200	200	202	197	200
Ortho lines (2D) :	417	382	471	396	414
Radial plines (2D) :	342	318	387	327	342
Text and Blocks (2D) :	112	124	140	138	127
Erase/Zoom (2D) :	247	247	301	294	270
Individual Dwg Index	292	281	337	246	

 C2011 Total Index = 281

 3D Graphics Index = 601
 2D Graphics Index = 237
 Disk Index = 86
 CPU Index = 200

 (Single Loop Time = 25 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	15.4	19.3	8.1	67.2	27.5
Rotate Hidden (3D) :	15.6	18.1	11.0	77.2	30.5
Rotate Conceptual (3D) :	15.7	18.8	11.1	79.6	31.3
Rotate Realistic (3D) :	9.3	19.3	9.9	134.0	43.1
2D Array/save (Disk) :	52.2	41.9	41.2	45.8	45.3
DXFout (Disk) :	16.0	14.0	9.6	20.5	15.0
Save Drawing (Disk) :	38.7	41.8	40.1	49.1	42.4
Calculations (CPU) :	19.5	19.6	19.5	19.6	19.6
Ortho lines (2D) :	26.4	21.1	27.8	18.3	23.4
Radial plines (2D) :	27.0	25.7	20.4	27.4	25.1
Text and Blocks (2D) :	30.2	24.9	36.7	28.3	30.0
Erase/Zoom (2D) :	30.9	31.7	24.7	24.4	27.9
Average Test Time By DWG =	24.7	24.7	21.7	49.3	
Average Test Time =	30.1				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.1s
 Graphics Window size : 1916x891 pixels
 Test Date (Time) : 02-15-11 (8:46am)
 Computer Brand : Dell Precision M90
 CPU Type : Intel Core 2 T7400 / 2,16 GHz
 System RAM : 3,25 GB
 Graphics Card : NVIDIA Quadro FX 3500
 Graphics Card driver : 6.14.11.9703
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	195	175	142	191	173
Rotate Hidden (3D) :	446	495	862	297	455
Rotate Conceptual (3D) :	457	518	884	302	467
Rotate Realistic (3D) :	37	32	24	194	38
2D Array/save (Disk) :	72	66	71	62	67
DXFout (Disk) :	1831	1435	2235	600	1191
Save Drawing (Disk) :	94	73	74	65	75
Calculations (CPU) :	139	138	138	133	137
Ortho lines (2D) :	306	237	363	266	286
Radial plines (2D) :	246	187	298	224	232
Text and Blocks (2D) :	95	96	112	98	100
Erase/Zoom (2D) :	144	142	187	190	163
Individual Dwg Index	176	173	230	159	

 C2011 Total Index = 173

 3D Graphics Index = 283
 2D Graphics Index = 167
 Disk Index = 104
 CPU Index = 137

 (Single Loop Time = 51 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	26.2	38.4	18.9	107.8	47.8
Rotate Hidden (3D) :	24.0	26.1	13.0	144.9	52.0
Rotate Conceptual (3D) :	23.4	24.9	12.6	142.4	50.8
Rotate Realistic (3D) :	243.5	428.3	327.6	308.6	327.0
2D Array/save (Disk) :	41.5	41.9	41.0	45.3	42.4
DXFout (Disk) :	2.2	3.1	1.4	7.0	3.4
Save Drawing (Disk) :	30.0	35.5	38.7	42.5	36.7
Calculations (CPU) :	28.0	28.4	28.5	29.1	28.5
Ortho lines (2D) :	35.9	34.0	36.0	27.3	33.3
Radial plines (2D) :	37.6	43.7	26.5	40.0	36.9
Text and Blocks (2D) :	35.7	32.4	45.9	39.8	38.5
Erase/Zoom (2D) :	53.0	55.0	39.7	37.7	46.4
Average Test Time By DWG =	48.4	66.0	52.5	81.0	
Average Test Time =	62.0				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.1s
 Graphics Window size : 1276x747 pixels
 Test Date (Time) : 02-17-11 (12:22am)
 Computer Brand : Asus P6T WS Professional
 CPU Type : Core i7 950 3 GHZ
 System RAM : 16GB DDR3
 Graphics Card : Nvidia Quadro 4000
 Graphics Card driver : ---
 Number of Test Loops : 1
 Comment : updated C2011 version files--std acad driver--again

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	637	996	529	427	587
Rotate Hidden (3D) :	1295	1157	2139	748	1163
Rotate Conceptual (3D) :	1297	1269	2139	790	1215
Rotate Realistic (3D) :	368	417	233	1070	387
2D Array/save (Disk) :	156	154	151	147	152
DXFout (Disk) :	357	454	443	290	373
Save Drawing (Disk) :	190	164	162	152	166
Calculations (CPU) :	228	229	230	226	228
Ortho lines (2D) :	587	505	697	541	574
Radial plines (2D) :	421	332	536	374	403
Text and Blocks (2D) :	161	157	193	174	170
Erase/Zoom (2D) :	310	299	388	376	339
Individual Dwg Index	408	416	513	368	

 C2011 Total Index = 392

 3D Graphics Index = 838
 2D Graphics Index = 307
 Disk Index = 196
 CPU Index = 228

 (Single Loop Time = 17 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	8.0	6.7	5.1	48.4	17.1
Rotate Hidden (3D) :	8.3	11.1	5.2	57.4	20.5
Rotate Conceptual (3D) :	8.3	10.2	5.2	54.4	19.5
Rotate Realistic (3D) :	24.3	33.0	33.3	55.9	36.7
2D Array/save (Disk) :	19.3	17.9	19.3	18.9	18.8
DXFout (Disk) :	11.5	9.9	7.1	14.5	10.7
Save Drawing (Disk) :	14.8	15.8	17.8	18.1	16.6
Calculations (CPU) :	17.1	17.1	17.1	17.1	17.1
Ortho lines (2D) :	18.7	15.9	18.8	13.4	16.7
Radial plines (2D) :	21.9	24.6	14.7	23.9	21.3
Text and Blocks (2D) :	21.0	19.7	26.6	22.4	22.4
Erase/Zoom (2D) :	24.6	26.1	19.1	19.1	22.2
Average Test Time By DWG =	16.5	17.3	15.8	30.3	
Average Test Time =	20.0				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-09-11 (1:33pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON Autodesk

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	393	367	331	429	377
Rotate Hidden (3D) :	544	579	794	507	588
Rotate Conceptual (3D) :	541	569	791	492	580
Rotate Realistic (3D) :	952	879	669	576	738
2D Array/save (Disk) :	113	112	109	112	111
DXFout (Disk) :	222	281	254	127	202
Save Drawing (Disk) :	143	118	119	116	123
Calculations (CPU) :	260	262	263	258	261
Ortho lines (2D) :	352	310	429	349	355
Radial plines (2D) :	273	237	351	272	278
Text and Blocks (2D) :	129	137	146	133	136
Erase/Zoom (2D) :	175	175	233	225	198
Individual Dwg Index	304	300	323	273	

 C2011 Total Index = 295

3D Graphics Index = 571
 2D Graphics Index = 213
 Disk Index = 136
 CPU Index = 261

 (Single Loop Time = 24 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	13.0	18.3	8.1	48.1	21.9
Rotate Hidden (3D) :	19.7	22.3	14.1	84.8	35.2
Rotate Conceptual (3D) :	19.8	22.7	14.1	87.3	36.0
Rotate Realistic (3D) :	9.4	15.6	11.6	103.9	35.1
2D Array/save (Disk) :	26.6	24.7	26.9	24.9	25.8
DXFout (Disk) :	18.4	16.0	12.4	32.9	19.9
Save Drawing (Disk) :	19.6	21.9	24.2	23.6	22.4
Calculations (CPU) :	15.0	14.9	15.0	15.0	15.0
Ortho lines (2D) :	31.3	26.0	30.5	20.8	27.1
Radial plines (2D) :	33.8	34.4	22.5	32.9	30.9
Text and Blocks (2D) :	26.2	22.6	35.1	29.4	28.3
Erase/Zoom (2D) :	43.7	44.8	31.9	31.9	38.1
Average Test Time By DWG =	23.0	23.7	20.5	44.6	
Average Test Time =	28.0				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-09-11 (2:02pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON Direct3D

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	394	365	323	380	363
Rotate Hidden (3D) :	556	593	840	520	606
Rotate Conceptual (3D) :	554	581	835	507	598
Rotate Realistic (3D) :	811	827	640	583	700
2D Array/save (Disk) :	114	111	108	113	111
DXFout (Disk) :	218	262	245	129	198
Save Drawing (Disk) :	146	119	120	117	124
Calculations (CPU) :	262	263	262	258	261
Ortho lines (2D) :	350	309	427	348	354
Radial plines (2D) :	272	235	346	271	276
Text and Blocks (2D) :	130	136	145	133	136
Erase/Zoom (2D) :	175	174	232	224	198
Individual Dwg Index	297	298	326	273	

 C2011 Total Index = 294

 3D Graphics Index = 567
 2D Graphics Index = 212
 Disk Index = 136
 CPU Index = 261

 (Single Loop Time = 24 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.9	18.4	8.4	54.3	23.5
Rotate Hidden (3D) :	19.3	21.7	13.3	82.6	34.2
Rotate Conceptual (3D) :	19.3	22.2	13.4	84.7	34.9
Rotate Realistic (3D) :	11.0	16.6	12.1	102.6	35.6
2D Array/save (Disk) :	26.3	24.7	27.2	24.6	25.7
DXFout (Disk) :	18.8	17.1	12.8	32.4	20.3
Save Drawing (Disk) :	19.3	21.7	24.1	23.5	22.1
Calculations (CPU) :	14.9	14.9	15.0	15.0	15.0
Ortho lines (2D) :	31.4	26.1	30.6	20.9	27.2
Radial plines (2D) :	33.9	34.8	22.8	33.0	31.1
Text and Blocks (2D) :	26.0	22.9	35.4	29.3	28.4
Erase/Zoom (2D) :	43.7	45.0	32.1	32.0	38.2
Average Test Time By DWG =	23.1	23.8	20.6	44.6	
Average Test Time =	28.0				

CADALYST Systems Benchmark 2011
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-09-11 (2:37pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	385	363	322	406	366
Rotate Hidden (3D) :	784	751	1044	720	807
Rotate Conceptual (3D) :	773	743	1028	698	793
Rotate Realistic (3D) :	809	826	638	881	777
2D Array/save (Disk) :	112	112	108	112	111
DXFout (Disk) :	223	277	230	127	197
Save Drawing (Disk) :	146	121	119	118	125
Calculations (CPU) :	262	264	264	260	263
Ortho lines (2D) :	352	312	436	350	357
Radial plines (2D) :	275	240	356	277	281
Text and Blocks (2D) :	130	137	147	134	137
Erase/Zoom (2D) :	175	175	235	225	199
Individual Dwg Index	325	319	352	318	

 C2011 Total Index = 325

3D Graphics Index = 686
 2D Graphics Index = 214
 Disk Index = 136
 CPU Index = 263

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Drawing====>						
Rotate Wireframe (3D) :	13.2	18.5	8.4	50.9	22.7	
Rotate Hidden (3D) :	13.7	17.2	10.7	59.6	25.3	
Rotate Conceptual (3D) :	13.9	17.4	10.9	61.5	25.9	
Rotate Realistic (3D) :	11.1	16.7	12.2	67.9	27.0	
2D Array/save (Disk) :	26.8	24.6	27.0	24.8	25.8	
DXFout (Disk) :	18.3	16.2	13.7	33.1	20.3	
Save Drawing (Disk) :	19.2	21.5	24.3	23.3	22.1	
Calculations (CPU) :	14.9	14.8	14.9	14.9	14.9	
Ortho lines (2D) :	31.3	25.8	30.0	20.7	26.9	
Radial plines (2D) :	33.6	34.0	22.1	32.4	30.5	
Text and Blocks (2D) :	26.0	22.6	34.9	29.1	28.2	
Erase/Zoom (2D) :	43.8	44.5	31.6	31.8	37.9	
Average Test Time By DWG =	22.1	22.8	20.0	37.5		
Average Test Time =	25.6					

CADALYST Systems Benchmark 2011
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-09-11 (3:16pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Switch

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	357	362	322	392	356
Rotate Hidden (3D) :	776	739	1021	712	796
Rotate Conceptual (3D) :	765	731	1020	693	785
Rotate Realistic (3D) :	804	825	635	857	770
2D Array/save (Disk) :	112	111	107	112	110
DXFout (Disk) :	217	279	244	129	199
Save Drawing (Disk) :	146	118	117	118	124
Calculations (CPU) :	260	260	262	257	260
Ortho lines (2D) :	341	304	423	345	348
Radial plines (2D) :	268	237	345	272	275
Text and Blocks (2D) :	129	136	143	131	134
Erase/Zoom (2D) :	173	173	230	223	196
Individual Dwg Index	320	315	347	313	

 C2011 Total Index = 320

3D Graphics Index = 677
 2D Graphics Index = 210
 Disk Index = 135
 CPU Index = 260

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	14.3	18.5	8.4	52.6	23.4
Rotate Hidden (3D) :	13.8	17.5	10.9	60.3	25.6
Rotate Conceptual (3D) :	14.0	17.6	11.0	62.0	26.1
Rotate Realistic (3D) :	11.1	16.7	12.2	69.9	27.5
2D Array/save (Disk) :	26.8	24.8	27.4	24.9	26.0
DXFout (Disk) :	18.8	16.1	12.9	32.6	20.1
Save Drawing (Disk) :	19.2	21.9	24.5	23.4	22.2
Calculations (CPU) :	15.0	15.1	15.0	15.1	15.0
Ortho lines (2D) :	32.3	26.5	30.9	21.1	27.7
Radial plines (2D) :	34.4	34.5	22.9	32.9	31.2
Text and Blocks (2D) :	26.2	22.8	36.0	29.7	28.7
Erase/Zoom (2D) :	44.1	45.2	32.3	32.2	38.4
Average Test Time By DWG =	22.5	23.1	20.4	38.0	
Average Test Time =	26.0				

CADALYST Systems Benchmark 2011

Test version 5.3b ; Jun-2010

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-09-11 (3:57pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Visuelle Effekte Leistung

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	383	658	321	392	408
Rotate Hidden (3D) :	776	745	1028	717	800
Rotate Conceptual (3D) :	771	731	1021	692	786
Rotate Realistic (3D) :	806	824	637	859	771
2D Array/save (Disk) :	113	110	106	111	110
DXFout (Disk) :	215	275	254	123	197
Save Drawing (Disk) :	142	118	117	116	122
Calculations (CPU) :	257	260	261	256	259
Ortho lines (2D) :	341	303	420	345	347
Radial plines (2D) :	264	234	341	273	273
Text and Blocks (2D) :	129	136	143	132	135
Erase/Zoom (2D) :	173	172	230	223	196
Individual Dwg Index	321	334	347	313	

C2011 Total Index = 323

3D Graphics Index = 691

2D Graphics Index = 210

Disk Index = 134

CPU Index = 259

(Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	13.3	10.2	8.4	52.7	21.2
Rotate Hidden (3D) :	13.8	17.3	10.9	59.9	25.5
Rotate Conceptual (3D) :	13.9	17.6	11.0	62.0	26.1
Rotate Realistic (3D) :	11.1	16.7	12.2	69.7	27.4
2D Array/save (Disk) :	26.6	25.0	27.6	25.1	26.1
DXFout (Disk) :	19.0	16.3	12.4	33.9	20.4
Save Drawing (Disk) :	19.7	21.9	24.6	23.7	22.5
Calculations (CPU) :	15.2	15.0	15.1	15.1	15.1
Ortho lines (2D) :	32.2	26.5	31.2	21.1	27.8
Radial plines (2D) :	34.9	34.9	23.1	32.9	31.4
Text and Blocks (2D) :	26.2	22.8	36.0	29.6	28.7
Erase/Zoom (2D) :	44.3	45.4	32.3	32.1	38.5
Average Test Time By DWG =	22.5	22.5	20.4	38.1	
Average Test Time =	25.9				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x911 pixels
 Test Date (Time) : 03-10-11 (8:5am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Vef 2x RAM Fix

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	374	362	320	387	359
Rotate Hidden (3D) :	773	737	1028	703	793
Rotate Conceptual (3D) :	759	732	1015	684	780
Rotate Realistic (3D) :	807	824	635	854	770
2D Array/save (Disk) :	113	110	107	111	110
DXFout (Disk) :	221	284	254	128	202
Save Drawing (Disk) :	147	116	118	115	122
Calculations (CPU) :	258	260	261	256	259
Ortho lines (2D) :	335	303	420	347	346
Radial plines (2D) :	264	236	342	273	274
Text and Blocks (2D) :	127	136	144	133	135
Erase/Zoom (2D) :	172	173	229	223	195
Individual Dwg Index	320	315	347	311	

 C2011 Total Index = 320

 3D Graphics Index = 675
 2D Graphics Index = 210
 Disk Index = 135
 CPU Index = 259

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	13.6	18.5	8.4	53.4	23.5
Rotate Hidden (3D) :	13.9	17.5	10.9	61.1	25.8
Rotate Conceptual (3D) :	14.1	17.6	11.0	62.8	26.4
Rotate Realistic (3D) :	11.1	16.7	12.2	70.0	27.5
2D Array/save (Disk) :	26.6	25.0	27.4	25.1	26.0
DXFout (Disk) :	18.5	15.8	12.4	32.8	19.9
Save Drawing (Disk) :	19.2	22.4	24.4	24.0	22.5
Calculations (CPU) :	15.1	15.1	15.1	15.1	15.1
Ortho lines (2D) :	32.8	26.6	31.2	21.0	27.9
Radial plines (2D) :	34.9	34.7	23.0	32.8	31.4
Text and Blocks (2D) :	26.6	22.7	35.6	29.3	28.6
Erase/Zoom (2D) :	44.5	45.3	32.4	32.2	38.6
Average Test Time By DWG =	22.6	23.1	20.3	38.3	
Average Test Time =	26.1				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1264x735 pixels
 Test Date (Time) : 03-10-11 (9:24am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Vef 2x RAM Fix 1280x960

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	461	513	421	402	445
Rotate Hidden (3D) :	803	834	1118	728	849
Rotate Conceptual (3D) :	798	819	1108	702	833
Rotate Realistic (3D) :	1034	1094	906	875	969
2D Array/save (Disk) :	113	112	107	112	111
DXFout (Disk) :	226	287	255	126	203
Save Drawing (Disk) :	143	120	118	116	123
Calculations (CPU) :	258	261	261	256	259
Ortho lines (2D) :	342	309	430	348	352
Radial plines (2D) :	266	239	348	271	276
Text and Blocks (2D) :	128	137	145	132	135
Erase/Zoom (2D) :	173	173	232	224	197
Individual Dwg Index	344	354	383	316	

 C2011 Total Index = 345

3D Graphics Index = 774
 2D Graphics Index = 211
 Disk Index = 136
 CPU Index = 259

 (Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	11.0	13.1	6.4	51.4	20.5
Rotate Hidden (3D) :	13.3	15.5	10.0	59.0	24.5
Rotate Conceptual (3D) :	13.4	15.7	10.1	61.2	25.1
Rotate Realistic (3D) :	8.7	12.6	8.6	68.4	24.6
2D Array/save (Disk) :	26.6	24.7	27.3	25.0	25.9
DXFout (Disk) :	18.1	15.6	12.3	33.2	19.8
Save Drawing (Disk) :	19.6	21.7	24.3	23.7	22.3
Calculations (CPU) :	15.1	15.0	15.1	15.1	15.1
Ortho lines (2D) :	32.2	26.1	30.4	20.9	27.4
Radial plines (2D) :	34.7	34.1	22.6	33.1	31.1
Text and Blocks (2D) :	26.4	22.7	35.4	29.6	28.5
Erase/Zoom (2D) :	44.1	45.1	32.0	32.1	38.3
Average Test Time By DWG =	21.9	21.8	19.5	37.7	
Average Test Time =	25.3				

CADALYST Systems Benchmark 2011
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1264x735 pixels
 Test Date (Time) : 03-10-11 (10:36am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Vef 2x RAM Fix 1 Monitor 19"

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	422	507	421	402	435
Rotate Hidden (3D) :	813	848	1127	715	852
Rotate Conceptual (3D) :	811	829	1122	698	840
Rotate Realistic (3D) :	1025	1085	898	871	962
2D Array/save (Disk) :	111	113	107	112	111
DXFout (Disk) :	227	285	255	129	204
Save Drawing (Disk) :	145	120	118	117	124
Calculations (CPU) :	261	262	264	258	261
Ortho lines (2D) :	342	311	429	350	353
Radial plines (2D) :	268	240	346	273	277
Text and Blocks (2D) :	129	135	146	132	136
Erase/Zoom (2D) :	174	174	233	225	198
Individual Dwg Index	344	355	385	316	

 C2011 Total Index = 345

 3D Graphics Index = 772
 2D Graphics Index = 212
 Disk Index = 137
 CPU Index = 261

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.1	13.2	6.4	51.3	20.8
Rotate Hidden (3D) :	13.2	15.2	9.9	60.0	24.6
Rotate Conceptual (3D) :	13.2	15.5	10.0	61.6	25.1
Rotate Realistic (3D) :	8.7	12.7	8.7	68.7	24.7
2D Array/save (Disk) :	27.0	24.5	27.2	24.8	25.9
DXFout (Disk) :	18.0	15.7	12.3	32.4	19.6
Save Drawing (Disk) :	19.4	21.5	24.4	23.5	22.2
Calculations (CPU) :	15.0	14.9	14.9	15.0	15.0
Ortho lines (2D) :	32.1	25.9	30.4	20.8	27.3
Radial plines (2D) :	34.4	34.0	22.8	32.8	31.0
Text and Blocks (2D) :	26.2	22.9	35.1	29.4	28.4
Erase/Zoom (2D) :	43.9	44.9	31.9	31.9	38.1
Average Test Time By DWG =	21.9	21.7	19.5	37.7	
Average Test Time =	25.2				

CADALYST Systems Benchmark 2011
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1906x907 pixels
 Test Date (Time) : 03-10-11 (9:51am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 6.14.12.6705
 Number of Test Loops : 1
 Comment : HWAcc-ON nvd310.hdi 3GB Vef 2x RAM Fix 1 Monitor

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	359	349	289	392	343
Rotate Hidden (3D) :	779	751	1028	701	798
Rotate Conceptual (3D) :	777	737	1027	681	786
Rotate Realistic (3D) :	757	792	603	860	740
2D Array/save (Disk) :	113	110	106	111	110
DXFout (Disk) :	218	282	254	128	201
Save Drawing (Disk) :	146	115	118	115	122
Calculations (CPU) :	259	261	262	257	260
Ortho lines (2D) :	343	306	426	345	350
Radial plines (2D) :	268	236	347	272	275
Text and Blocks (2D) :	128	137	145	132	135
Erase/Zoom (2D) :	173	173	231	223	196
Individual Dwg Index	318	313	345	312	

 C2011 Total Index = 318

 3D Graphics Index = 667
 2D Graphics Index = 211
 Disk Index = 135
 CPU Index = 260

 (Single Loop Time = 22 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	14.2	19.2	9.3	52.6	23.8
Rotate Hidden (3D) :	13.7	17.2	10.9	61.3	25.8
Rotate Conceptual (3D) :	13.8	17.5	10.9	63.1	26.3
Rotate Realistic (3D) :	11.8	17.4	12.9	69.6	27.9
2D Array/save (Disk) :	26.5	24.9	27.5	25.1	26.0
DXFout (Disk) :	18.8	15.9	12.4	32.8	20.0
Save Drawing (Disk) :	19.3	22.5	24.4	23.9	22.5
Calculations (CPU) :	15.1	15.0	15.0	15.1	15.1
Ortho lines (2D) :	32.0	26.3	30.7	21.0	27.5
Radial plines (2D) :	34.4	34.6	22.7	33.0	31.2
Text and Blocks (2D) :	26.3	22.7	35.4	29.5	28.5
Erase/Zoom (2D) :	44.3	45.2	32.2	32.2	38.5
Average Test Time By DWG =	22.5	23.2	20.4	38.3	
Average Test Time =	26.1				

Test version 5.3b ; Jun-2010

2D Graphics Index = 284

CPU Index = 258

(Single Loop Time = 10 min)

Drawing====>>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
---------------	---------	---------	---------	---------	------------

Average Test Time By DWG = 17.9 18.9 16.7 37.1

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x907 pixels
 Test Date (Time) : 03-10-11 (2:48pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-nv3d10.hdi

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	393	369	335	64	168
Rotate Hidden (3D) :	1003	964	1360	750	975
Rotate Conceptual (3D) :	1028	919	1376	673	936
Rotate Realistic (3D) :	941	795	664	270	531
2D Array/save (Disk) :	109	105	113	92	104
DXFout (Disk) :	328	426	426	250	341
Save Drawing (Disk) :	137	110	116	100	114
Calculations (CPU) :	258	259	261	256	258
Ortho lines (2D) :	495	451	582	473	495
Radial plines (2D) :	406	359	487	379	402
Text and Blocks (2D) :	143	141	168	160	152
Erase/Zoom (2D) :	318	319	357	347	334
Individual Dwg Index	381	357	416	276	

 C2011 Total Index = 334

3D Graphics Index = 653
 2D Graphics Index = 284
 Disk Index = 141
 CPU Index = 258

 (Single Loop Time = 26 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.9	18.2	8.1	320.5	89.9
Rotate Hidden (3D) :	10.7	13.4	8.2	57.3	22.4
Rotate Conceptual (3D) :	10.4	14.0	8.1	63.8	24.1
Rotate Realistic (3D) :	9.5	17.3	11.7	221.4	65.0
2D Array/save (Disk) :	27.5	26.2	25.9	30.3	27.5
DXFout (Disk) :	12.5	10.5	7.4	16.7	11.8
Save Drawing (Disk) :	20.5	23.6	24.7	27.6	24.1
Calculations (CPU) :	15.1	15.1	15.1	15.1	15.1
Ortho lines (2D) :	22.2	17.9	22.5	15.4	19.5
Radial plines (2D) :	22.7	22.8	16.2	23.6	21.3
Text and Blocks (2D) :	23.7	22.0	30.6	24.3	25.2
Erase/Zoom (2D) :	24.0	24.5	20.8	20.7	22.5
Average Test Time By DWG =	17.6	18.8	16.6	69.7	
Average Test Time =	30.7				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x907 pixels
 Test Date (Time) : 03-10-11 (3:2pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-autodesk

 Drawing (3D)====> c2011_5 c2011_6 c2011_7 c2011_8
 Drawing (2D)====> c2011_1 c2011_2 c2011_3 c2011_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 390 375 334 426 378
 Rotate Hidden (3D) : 884 933 1320 792 947
 Rotate Conceptual (3D) : 877 887 1313 763 922
 Rotate Realistic (3D) : 892 753 675 533 689
 2D Array/save (Disk) : 113 105 112 93 105
 DXFout (Disk) : 343 430 437 266 354
 Save Drawing (Disk) : 137 112 117 99 115
 Calculations (CPU) : 257 259 260 255 258
 Ortho lines (2D) : 490 439 576 471 489
 Radial plines (2D) : 399 351 482 381 398
 Text and Blocks (2D) : 141 138 169 161 151
 Erase/Zoom (2D) : 312 312 353 344 329
 - - - - -
 Individual Dwg Index 361 349 410 323

 C2011 Total Index = 354

 3D Graphics Index = 734
 2D Graphics Index = 282
 Disk Index = 143
 CPU Index = 258

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)
 - - - - -
 Rotate Wireframe (3D) : 13.0 17.9 8.1 48.5 21.9
 Rotate Hidden (3D) : 12.1 13.8 8.5 54.2 22.2
 Rotate Conceptual (3D) : 12.2 14.5 8.5 56.3 22.9
 Rotate Realistic (3D) : 10.0 18.3 11.5 112.3 38.0
 2D Array/save (Disk) : 26.6 26.2 26.1 29.9 27.2
 DXFout (Disk) : 11.9 10.4 7.2 15.7 11.3
 Save Drawing (Disk) : 20.6 23.2 24.5 27.7 24.0
 Calculations (CPU) : 15.2 15.1 15.1 15.2 15.2
 Ortho lines (2D) : 22.5 18.3 22.7 15.4 19.7
 Radial plines (2D) : 23.1 23.3 16.3 23.5 21.6
 Text and Blocks (2D) : 24.0 22.4 30.3 24.2 25.2
 Erase/Zoom (2D) : 24.5 25.0 21.0 20.9 22.8
 - - - - -
 Average Test Time By DWG = 18.0 19.0 16.7 37.0
 Average Test Time = 22.7

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1904x907 pixels
 Test Date (Time) : 03-10-11 (3:54pm)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-autodesk Visuelle Effekte Leistung

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	391	369	332	427	376
Rotate Hidden (3D) :	872	917	1317	791	939
Rotate Conceptual (3D) :	873	887	1308	761	919
Rotate Realistic (3D) :	852	756	674	528	681
2D Array/save (Disk) :	108	111	112	99	107
DXFout (Disk) :	334	437	438	262	351
Save Drawing (Disk) :	140	108	118	104	116
Calculations (CPU) :	256	257	258	253	256
Ortho lines (2D) :	498	448	594	475	498
Radial plines (2D) :	405	360	489	389	405
Text and Blocks (2D) :	141	141	169	161	152
Erase/Zoom (2D) :	316	316	359	346	333
Individual Dwg Index	357	349	410	324	

 C2011 Total Index = 353

3D Graphics Index = 729
 2D Graphics Index = 285
 Disk Index = 144
 CPU Index = 256

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	13.0	18.2	8.1	48.4	21.9
Rotate Hidden (3D) :	12.3	14.1	8.5	54.3	22.3
Rotate Conceptual (3D) :	12.3	14.5	8.5	56.4	23.0
Rotate Realistic (3D) :	10.5	18.2	11.5	113.4	38.4
2D Array/save (Disk) :	27.8	24.8	26.1	28.3	26.7
DXFout (Disk) :	12.3	10.3	7.2	16.0	11.4
Save Drawing (Disk) :	20.0	24.0	24.4	26.4	23.7
Calculations (CPU) :	15.2	15.2	15.3	15.3	15.3
Ortho lines (2D) :	22.1	18.0	22.0	15.3	19.3
Radial plines (2D) :	22.8	22.7	16.1	23.0	21.2
Text and Blocks (2D) :	23.9	22.0	30.5	24.2	25.1
Erase/Zoom (2D) :	24.2	24.7	20.7	20.7	22.6
Average Test Time By DWG =	18.0	18.9	16.6	36.8	
Average Test Time =	22.6				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1264x509 pixels
 Test Date (Time) : 03-11-11 (8:25am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-autodesk Visuelle Effekte Leistung 1280x800

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	484	730	418	432	491
Rotate Hidden (3D) :	1001	1029	1499	805	1031
Rotate Conceptual (3D) :	1004	980	1499	768	1004
Rotate Realistic (3D) :	1081	770	1206	536	814
2D Array/save (Disk) :	96	89	105	86	93
DXFout (Disk) :	334	421	422	265	348
Save Drawing (Disk) :	112	94	108	89	100
Calculations (CPU) :	256	258	259	253	256
Ortho lines (2D) :	503	466	586	477	504
Radial plines (2D) :	409	371	485	386	408
Text and Blocks (2D) :	140	142	168	160	152
Erase/Zoom (2D) :	318	320	361	348	336
Individual Dwg Index	389	381	469	323	

 C2011 Total Index = 376

3D Graphics Index = 835
 2D Graphics Index = 286
 Disk Index = 127
 CPU Index = 256

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	10.5	9.2	6.4	47.8	18.5
Rotate Hidden (3D) :	10.7	12.5	7.5	53.4	21.0
Rotate Conceptual (3D) :	10.7	13.2	7.5	55.9	21.8
Rotate Realistic (3D) :	8.3	17.9	6.4	111.6	36.0
2D Array/save (Disk) :	31.4	31.0	27.8	32.2	30.6
DXFout (Disk) :	12.2	10.6	7.4	15.8	11.5
Save Drawing (Disk) :	25.1	27.5	26.7	30.9	27.6
Calculations (CPU) :	15.2	15.2	15.2	15.3	15.2
Ortho lines (2D) :	21.9	17.3	22.3	15.2	19.2
Radial plines (2D) :	22.6	22.0	16.3	23.2	21.0
Text and Blocks (2D) :	24.1	21.8	30.5	24.4	25.2
Erase/Zoom (2D) :	24.0	24.4	20.6	20.6	22.4
Average Test Time By DWG =	18.1	18.6	16.2	37.2	
Average Test Time =	22.5				

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1903x901 pixels
 Test Date (Time) : 03-11-11 (8:57am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-autodesk Visuelle Effekte Leistung RAM

 Drawing (3D)====> c2011_5 c2011_6 c2011_7 c2011_8
 Drawing (2D)====> c2011_1 c2011_2 c2011_3 c2011_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 399 377 336 426 382
 Rotate Hidden (3D) : 874 926 1322 800 946
 Rotate Conceptual (3D) : 879 883 1313 765 922
 Rotate Realistic (3D) : 883 747 654 536 682
 2D Array/save (Disk) : 95 94 102 89 95
 DXFout (Disk) : 342 433 431 272 356
 Save Drawing (Disk) : 112 97 105 90 100
 Calculations (CPU) : 260 262 263 257 260
 Ortho lines (2D) : 502 455 583 474 499
 Radial plines (2D) : 407 366 481 388 406
 Text and Blocks (2D) : 143 143 170 162 154
 Erase/Zoom (2D) : 322 320 357 347 336
 - - - - -
 Individual Dwg Index 357 348 407 324

 C2011 Total Index = 352

 3D Graphics Index = 733
 2D Graphics Index = 287
 Disk Index = 129
 CPU Index = 260

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)
 - - - - -
 Rotate Wireframe (3D) : 12.7 17.8 8.0 48.4 21.8
 Rotate Hidden (3D) : 12.3 13.9 8.5 53.7 22.1
 Rotate Conceptual (3D) : 12.2 14.6 8.5 56.1 22.9
 Rotate Realistic (3D) : 10.1 18.4 11.9 111.7 38.0
 2D Array/save (Disk) : 31.5 29.2 28.6 31.3 30.1
 DXFout (Disk) : 11.9 10.4 7.3 15.4 11.3
 Save Drawing (Disk) : 25.1 26.7 27.5 30.6 27.4
 Calculations (CPU) : 15.0 15.0 15.0 15.1 15.0
 Ortho lines (2D) : 21.9 17.7 22.4 15.3 19.3
 Radial plines (2D) : 22.7 22.3 16.4 23.1 21.1
 Text and Blocks (2D) : 23.6 21.7 30.2 24.0 24.9
 Erase/Zoom (2D) : 23.8 24.4 20.8 20.7 22.4
 - - - - -
 Average Test Time By DWG = 18.6 19.3 17.1 37.1
 Average Test Time = 23.0

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OS Platform : Microsoft Windows NT Version 6.1 (x64)
 AutoCAD version : 18.0s
 Graphics Window size : 1903x901 pixels
 Test Date (Time) : 03-11-11 (9:32am)
 Computer Brand : Dell Precision T3500
 CPU Type : Intel Xeon W3530 @2.800 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro 2000
 Graphics Card driver : 8.17.12.6717
 Number of Test Loops : 1
 Comment : HwACC ON-autodesk WHIPTHREAD=3

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	417	375	335	423	384
Rotate Hidden (3D) :	880	921	1320	802	946
Rotate Conceptual (3D) :	879	882	1313	766	922
Rotate Realistic (3D) :	865	740	639	534	673
2D Array/save (Disk) :	98	96	104	89	96
DXFout (Disk) :	346	427	430	261	352
Save Drawing (Disk) :	115	98	106	89	101
Calculations (CPU) :	258	260	261	251	258
Ortho lines (2D) :	503	458	593	478	503
Radial plines (2D) :	407	368	489	385	407
Text and Blocks (2D) :	143	142	170	159	153
Erase/Zoom (2D) :	321	322	367	347	338
Individual Dwg Index	358	347	407	321	

 C2011 Total Index = 351

 3D Graphics Index = 731
 2D Graphics Index = 287
 Disk Index = 130
 CPU Index = 258

 (Single Loop Time = 19 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.2	17.9	8.0	48.7	21.7
Rotate Hidden (3D) :	12.2	14.0	8.5	53.6	22.1
Rotate Conceptual (3D) :	12.2	14.6	8.5	56.1	22.9
Rotate Realistic (3D) :	10.3	18.6	12.2	112.0	38.3
2D Array/save (Disk) :	30.6	28.8	28.1	31.4	29.7
DXFout (Disk) :	11.8	10.5	7.3	16.0	11.4
Save Drawing (Disk) :	24.5	26.5	27.1	31.0	27.3
Calculations (CPU) :	15.1	15.1	15.1	15.4	15.2
Ortho lines (2D) :	21.9	17.6	22.0	15.2	19.2
Radial plines (2D) :	22.7	22.2	16.1	23.3	21.1
Text and Blocks (2D) :	23.7	21.8	30.2	24.5	25.1
Erase/Zoom (2D) :	23.8	24.3	20.2	20.6	22.2
Average Test Time By DWG =	18.4	19.3	17.0	37.3	
Average Test Time =	23.0				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (9:59am)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-nvd310.hdi

 Drawing (3D)====> c2011_5 c2011_6 c2011_7 c2011_8
 Drawing (2D)====> c2011_1 c2011_2 c2011_3 c2011_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 417 600 396 398 439
 Rotate Hidden (3D) : 1453 1364 1854 1156 1415
 Rotate Conceptual (3D) : 1350 1289 1849 1094 1346
 Rotate Realistic (3D) : 1183 1166 1305 877 1108
 2D Array/save (Disk) : 104 109 95 107 103
 DXFout (Disk) : 161 231 213 110 165
 Save Drawing (Disk) : 129 115 104 111 114
 Calculations (CPU) : 231 232 233 228 231
 Ortho lines (2D) : 377 322 427 345 364
 Radial plines (2D) : 295 239 345 263 280
 Text and Blocks (2D) : 129 132 143 130 133
 Erase/Zoom (2D) : 168 167 217 223 190
 - - - - -
 Individual Dwg Index 415 416 486 358

 C2011 Total Index = 410

 3D Graphics Index = 1077
 2D Graphics Index = 210
 Disk Index = 122
 CPU Index = 231

 (Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)
 - - - - -
 Rotate Wireframe (3D) : 12.2 11.2 6.8 51.9 20.5
 Rotate Hidden (3D) : 7.4 9.5 6.0 37.2 15.0
 Rotate Conceptual (3D) : 7.9 10.0 6.0 39.3 15.8
 Rotate Realistic (3D) : 7.6 11.8 6.0 68.3 23.4
 2D Array/save (Disk) : 28.9 25.4 30.9 26.1 27.8
 DXFout (Disk) : 25.4 19.4 14.8 38.0 24.4
 Save Drawing (Disk) : 21.8 22.5 27.7 24.7 24.2
 Calculations (CPU) : 16.9 16.9 16.9 17.0 16.9
 Ortho lines (2D) : 29.2 25.0 30.6 21.0 26.5
 Radial plines (2D) : 31.2 34.2 22.8 34.0 30.6
 Text and Blocks (2D) : 26.3 23.4 35.8 29.9 28.9
 Erase/Zoom (2D) : 45.6 46.9 34.2 32.1 39.7
 - - - - -
 Average Test Time By DWG = 21.7 21.3 19.9 35.0
 Average Test Time = 24.5

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (10:29am)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-Autodesk

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	423	614	373	380	430
Rotate Hidden (3D) :	629	624	930	516	645
Rotate Conceptual (3D) :	619	610	930	498	631
Rotate Realistic (3D) :	1121	810	1207	495	804
2D Array/save (Disk) :	110	108	100	107	106
DXFout (Disk) :	175	221	207	108	165
Save Drawing (Disk) :	133	105	109	111	114
Calculations (CPU) :	228	229	232	228	229
Ortho lines (2D) :	375	320	428	344	362
Radial plines (2D) :	295	239	345	264	281
Text and Blocks (2D) :	129	132	143	129	133
Erase/Zoom (2D) :	168	167	221	224	191
Individual Dwg Index	316	303	364	255	

 C2011 Total Index = 298

 3D Graphics Index = 628
 2D Graphics Index = 210
 Disk Index = 123
 CPU Index = 229

 (Single Loop Time = 24 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	12.0	10.9	7.2	54.3	21.1
Rotate Hidden (3D) :	17.0	20.7	12.0	83.3	33.2
Rotate Conceptual (3D) :	17.3	21.1	12.0	86.3	34.2
Rotate Realistic (3D) :	8.0	17.0	6.4	120.9	38.1
2D Array/save (Disk) :	27.4	25.5	29.2	26.1	27.0
DXFout (Disk) :	23.3	20.3	15.2	38.6	24.4
Save Drawing (Disk) :	21.1	24.7	26.5	24.7	24.3
Calculations (CPU) :	17.1	17.1	17.0	17.0	17.0
Ortho lines (2D) :	29.4	25.2	30.5	21.2	26.6
Radial plines (2D) :	31.3	34.2	22.8	33.9	30.6
Text and Blocks (2D) :	26.1	23.5	35.8	30.3	28.9
Erase/Zoom (2D) :	45.5	46.8	33.7	32.1	39.5
Average Test Time By DWG =	22.9	23.9	20.7	47.4	
Average Test Time =	28.7				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (10:58am)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-nvgl10.hdi

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	40	36	22	151	38
Rotate Hidden (3D) :	880	532	920	3489	911
Rotate Conceptual (3D) :	864	531	918	3463	905
Rotate Realistic (3D) :	74	57	64	496	82
2D Array/save (Disk) :	110	108	101	107	106
DXFout (Disk) :	163	244	214	111	168
Save Drawing (Disk) :	136	115	108	111	117
Calculations (CPU) :	230	231	233	228	231
Ortho lines (2D) :	376	320	420	345	361
Radial plines (2D) :	296	239	345	263	280
Text and Blocks (2D) :	129	132	144	124	132
Erase/Zoom (2D) :	168	166	219	224	190
Individual Dwg Index	258	212	269	611	

 C2011 Total Index = 262

 3D Graphics Index = 484
 2D Graphics Index = 208
 Disk Index = 125
 CPU Index = 231

 (Single Loop Time = 37 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	127.3	184.5	122.7	136.4	142.7
Rotate Hidden (3D) :	12.2	24.3	12.2	12.3	15.2
Rotate Conceptual (3D) :	12.4	24.3	12.2	12.4	15.3
Rotate Realistic (3D) :	120.6	241.1	120.6	120.7	150.7
2D Array/save (Disk) :	27.3	25.4	29.0	26.0	27.0
DXFout (Disk) :	25.1	18.4	14.7	37.6	23.9
Save Drawing (Disk) :	20.7	22.5	26.5	24.7	23.6
Calculations (CPU) :	16.9	16.9	16.9	17.0	16.9
Ortho lines (2D) :	29.3	25.2	31.1	21.0	26.7
Radial plines (2D) :	31.1	34.2	22.8	34.0	30.6
Text and Blocks (2D) :	26.3	23.6	35.7	31.5	29.2
Erase/Zoom (2D) :	45.4	47.1	34.0	32.0	39.6
Average Test Time By DWG =	41.2	57.3	39.9	42.1	
Average Test Time =	45.1				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (11:47am)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc OFF

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index

Rotate Wireframe (3D) :	69	42	56	44	51
Rotate Hidden (3D) :	43	40	50	52	46
Rotate Conceptual (3D) :	38	36	46	41	40
Rotate Realistic (3D) :	27	28	25	35	28
2D Array/save (Disk) :	110	108	97	106	105
DXFout (Disk) :	171	237	218	107	166
Save Drawing (Disk) :	132	115	102	107	113
Calculations (CPU) :	226	223	229	218	224
Ortho lines (2D) :	372	310	395	336	350
Radial plines (2D) :	294	228	269	259	260
Text and Blocks (2D) :	129	131	141	126	131
Erase/Zoom (2D) :	157	163	212	218	183

Individual Dwg Index	150	146	154	144	

 C2011 Total Index = 148

 3D Graphics Index = 41
 2D Graphics Index = 202
 Disk Index = 123
 CPU Index = 224

 (Single Loop Time = 136 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)

Rotate Wireframe (3D) :	73.9	161.2	48.2	468.1	187.8
Rotate Hidden (3D) :	247.7	320.7	222.0	833.0	405.9
Rotate Conceptual (3D) :	281.0	361.3	242.6	1036.6	480.4
Rotate Realistic (3D) :	328.7	495.3	312.0	1726.4	715.6
2D Array/save (Disk) :	27.2	25.4	30.1	26.3	27.2
DXFout (Disk) :	24.0	18.9	14.4	39.3	24.1
Save Drawing (Disk) :	21.3	22.5	28.3	25.6	24.4
Calculations (CPU) :	17.2	17.5	17.2	17.8	17.4
Ortho lines (2D) :	29.6	26.0	33.1	21.6	27.6
Radial plines (2D) :	31.4	35.8	29.3	34.5	32.8
Text and Blocks (2D) :	26.3	23.7	36.4	31.0	29.3
Erase/Zoom (2D) :	48.8	47.9	35.0	32.9	41.1

Average Test Time By DWG =	96.4	129.7	87.4	357.8	
Average Test Time =	167.8				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (3:14pm)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-nvd310.hdi Diverse Variablen umgestellt

	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (3D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	394	578	390	396	428
Rotate Hidden (3D) :	1371	1282	1835	1156	1370
Rotate Conceptual (3D) :	1347	1234	1858	1096	1332
Rotate Realistic (3D) :	1293	1181	1305	874	1133
2D Array/save (Disk) :	60	76	98	107	81
DXFout (Disk) :	23	71	222	111	57
Save Drawing (Disk) :	78	108	111	114	101
Calculations (CPU) :	221	231	230	226	227
Ortho lines (2D) :	329	319	431	344	351
Radial plines (2D) :	275	234	347	263	274
Text and Blocks (2D) :	124	131	144	128	132
Erase/Zoom (2D) :	157	165	219	222	186
-----	-----	-----	-----	-----	-----
Individual Dwg Index	388	393	486	357	

 C2011 Total Index = 393

 3D Graphics Index = 1066
 2D Graphics Index = 205
 Disk Index = 75
 CPU Index = 227

 (Single Loop Time = 25 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
-----	-----	-----	-----	-----	-----
Rotate Wireframe (3D) :	12.9	11.6	6.9	52.1	20.9
Rotate Hidden (3D) :	7.8	10.1	6.1	37.2	15.3
Rotate Conceptual (3D) :	8.0	10.4	6.0	39.2	15.9
Rotate Realistic (3D) :	6.9	11.6	6.0	68.5	23.2
2D Array/save (Disk) :	49.9	36.4	29.9	26.1	35.6
DXFout (Disk) :	174.4	63.0	14.2	37.8	72.3
Save Drawing (Disk) :	35.9	24.0	25.8	24.0	27.4
Calculations (CPU) :	17.7	17.0	17.1	17.1	17.2
Ortho lines (2D) :	33.4	25.2	30.4	21.1	27.5
Radial plines (2D) :	33.5	35.0	22.7	34.0	31.3
Text and Blocks (2D) :	27.2	23.6	35.7	30.4	29.2
Erase/Zoom (2D) :	48.7	47.3	34.0	32.3	40.6
-----	-----	-----	-----	-----	-----
Average Test Time By DWG =	38.0	26.3	19.6	35.0	
Average Test Time =	29.7				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-09-11 (3:47pm)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-nvd310.hdi Horizontal span

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	427	588	401	397	442
Rotate Hidden (3D) :	1455	1261	1863	1139	1382
Rotate Conceptual (3D) :	1449	1226	1844	1036	1327
Rotate Realistic (3D) :	1351	1142	1319	867	1134
2D Array/save (Disk) :	108	111	101	105	106
DXFout (Disk) :	187	242	236	112	177
Save Drawing (Disk) :	130	117	109	113	117
Calculations (CPU) :	231	230	233	225	230
Ortho lines (2D) :	372	318	430	341	361
Radial plines (2D) :	274	239	339	262	274
Text and Blocks (2D) :	127	131	143	129	132
Erase/Zoom (2D) :	159	167	215	225	187
Individual Dwg Index	433	403	489	351	

 C2011 Total Index = 409

 3D Graphics Index = 1071
 2D Graphics Index = 207
 Disk Index = 127
 CPU Index = 230

 (Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	11.9	11.4	6.7	52.0	20.5
Rotate Hidden (3D) :	7.4	10.2	6.0	37.7	15.3
Rotate Conceptual (3D) :	7.4	10.5	6.1	41.5	16.4
Rotate Realistic (3D) :	6.6	12.0	5.9	69.0	23.4
2D Array/save (Disk) :	27.9	24.8	28.8	26.6	27.0
DXFout (Disk) :	21.9	18.5	13.3	37.3	22.8
Save Drawing (Disk) :	21.6	22.1	26.3	24.4	23.6
Calculations (CPU) :	16.8	17.0	16.9	17.2	17.0
Ortho lines (2D) :	29.6	25.3	30.4	21.3	26.7
Radial plines (2D) :	33.7	34.2	23.2	34.2	31.3
Text and Blocks (2D) :	26.6	23.6	35.9	30.3	29.1
Erase/Zoom (2D) :	48.1	46.7	34.5	31.9	40.3
Average Test Time By DWG =	21.6	21.4	19.5	35.3	
Average Test Time =	24.5				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1263x537 pixels
 Test Date (Time) : 03-14-11 (10:54am)
 Computer Brand : DELL PRECISION T3400
 CPU Type : Intel Core Duo E8400 @3.00 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.12.6645
 Number of Test Loops : 1
 Comment : HwAcc ON-nvd310.hdi Non ECC

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	429	639	398	399	449
Rotate Hidden (3D) :	1396	1328	1730	1132	1365
Rotate Conceptual (3D) :	1379	1261	1743	1076	1324
Rotate Realistic (3D) :	892	1187	1364	888	1047
2D Array/save (Disk) :	100	109	100	106	104
DXFout (Disk) :	135	236	210	109	157
Save Drawing (Disk) :	127	116	111	112	116
Calculations (CPU) :	228	229	232	229	230
Ortho lines (2D) :	370	312	432	344	359
Radial plines (2D) :	292	236	348	264	279
Text and Blocks (2D) :	129	133	145	128	133
Erase/Zoom (2D) :	167	164	217	223	189
Individual Dwg Index	393	415	476	356	

C2011 Total Index = 401

 3D Graphics Index = 1046
 2D Graphics Index = 209
 Disk Index = 122
 CPU Index = 230

 (Single Loop Time = 21 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	11.9	10.5	6.8	51.7	20.2
Rotate Hidden (3D) :	7.7	9.7	6.5	38.0	15.4
Rotate Conceptual (3D) :	7.8	10.2	6.4	39.9	16.1
Rotate Realistic (3D) :	10.0	11.6	5.7	67.4	23.7
2D Array/save (Disk) :	29.9	25.2	29.3	26.4	27.7
DXFout (Disk) :	30.3	19.0	15.0	38.3	25.6
Save Drawing (Disk) :	22.2	22.4	26.0	24.5	23.8
Calculations (CPU) :	17.1	17.1	17.0	16.9	17.0
Ortho lines (2D) :	29.7	25.8	30.3	21.1	26.7
Radial plines (2D) :	31.6	34.7	22.6	33.9	30.7
Text and Blocks (2D) :	26.3	23.3	35.5	30.3	28.9
Erase/Zoom (2D) :	45.8	47.6	34.2	32.2	39.9
Average Test Time By DWG =	22.5	21.4	19.6	35.1	
Average Test Time =	24.6				

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1232x735 pixels
 Test Date (Time) : 03-15-11 (9:41am)
 Computer Brand : Dell Precision T3400
 CPU Type : Intel Core Duo E6750 @2.660 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.0011.6996
 Number of Test Loops : 1
 Comment : HwAcc OFF Adaptive Rückstufung ON

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	44	27	31	34	33
Rotate Hidden (3D) :	31	30	37	41	34
Rotate Conceptual (3D) :	28	27	34	33	30
Rotate Realistic (3D) :	17	19	15	28	19
2D Array/save (Disk) :	68	68	74	69	70
DXFout (Disk) :	129	203	205	114	152
Save Drawing (Disk) :	90	74	79	72	78
Calculations (CPU) :	203	206	207	202	205
Ortho lines (2D) :	335	281	383	306	322
Radial plines (2D) :	259	211	307	235	248
Text and Blocks (2D) :	111	112	125	112	115
Erase/Zoom (2D) :	132	132	175	189	153
Individual Dwg Index	123	121	134	125	

 C2011 Total Index = 125

3D Graphics Index = 29
 2D Graphics Index = 179
 Disk Index = 89
 CPU Index = 205

 (Single Loop Time = 179 min)

***** Test Data: Actual Times (sec)					
Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	116.8	249.0	86.9	611.8	266.1
Rotate Hidden (3D) :	340.7	423.7	302.3	1050.8	529.4
Rotate Conceptual (3D) :	384.7	476.8	327.3	1306.6	623.8
Rotate Realistic (3D) :	531.3	727.2	519.4	2123.7	975.4
2D Array/save (Disk) :	44.3	40.4	39.4	40.7	41.2
DXFout (Disk) :	31.8	22.0	15.3	36.9	26.5
Save Drawing (Disk) :	31.1	34.9	36.4	37.9	35.1
Calculations (CPU) :	19.2	19.0	19.0	19.2	19.1
Ortho lines (2D) :	32.8	28.6	34.2	23.8	29.8
Radial plines (2D) :	35.7	38.7	25.7	38.1	34.5
Text and Blocks (2D) :	30.4	27.7	41.1	34.8	33.5
Erase/Zoom (2D) :	57.7	59.3	42.4	38.0	49.4
Average Test Time By DWG =	138.0	179.0	124.1	446.9	
Average Test Time =	222.0				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1232x735 pixels
 Test Date (Time) : 03-15-11 (12:5am)
 Computer Brand : Dell Precision T3400
 CPU Type : Intel Core Duo E6750 @2.660 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.0011.6996
 Number of Test Loops : 1
 Comment : HwAcc ON-nv3d10.hdi

 Drawing (3D)====> c2011_5 c2011_6 c2011_7 c2011_8
 Drawing (2D)====> c2011_1 c2011_2 c2011_3 c2011_4 Test Index
 - - - - -
 Rotate Wireframe (3D) : 345 373 301 343 339
 Rotate Hidden (3D) : 839 837 1118 743 864
 Rotate Conceptual (3D) : 832 810 1120 703 842
 Rotate Realistic (3D) : 917 886 778 706 813
 2D Array/save (Disk) : 77 74 76 70 74
 DXFout (Disk) : 177 217 205 115 168
 Save Drawing (Disk) : 95 79 85 78 84
 Calculations (CPU) : 205 205 207 204 205
 Ortho lines (2D) : 335 280 384 307 322
 Radial plines (2D) : 257 210 308 236 248
 Text and Blocks (2D) : 112 113 124 112 115
 Erase/Zoom (2D) : 132 131 176 189 153
 - - - - -
 Individual Dwg Index 303 298 335 274

 C2011 Total Index = 299

 3D Graphics Index = 714
 2D Graphics Index = 179
 Disk Index = 96
 CPU Index = 205

 (Single Loop Time = 26 min)

***** Test Data: Actual Times (sec)
 Drawing====> 1st Dwg 2nd Dwg 3rd Dwg 4th Dwg Test (avg)
 - - - - -
 Rotate Wireframe (3D) : 14.7 18.0 9.0 60.2 25.5
 Rotate Hidden (3D) : 12.8 15.4 10.0 57.8 24.0
 Rotate Conceptual (3D) : 12.9 15.9 10.0 61.1 25.0
 Rotate Realistic (3D) : 9.8 15.5 10.0 84.8 30.0
 2D Array/save (Disk) : 38.9 37.2 38.4 39.9 38.6
 DXFout (Disk) : 23.1 20.7 15.3 36.5 23.9
 Save Drawing (Disk) : 29.4 32.9 34.0 35.2 32.9
 Calculations (CPU) : 19.0 19.1 19.0 19.0 19.0
 Ortho lines (2D) : 32.8 28.8 34.1 23.7 29.8
 Radial plines (2D) : 35.8 39.0 25.6 38.0 34.6
 Text and Blocks (2D) : 30.1 27.5 41.5 34.8 33.5
 Erase/Zoom (2D) : 57.8 59.5 42.2 37.9 49.4
 - - - - -
 Average Test Time By DWG = 26.4 27.5 24.1 44.1
 Average Test Time = 30.5

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1232x735 pixels
 Test Date (Time) : 03-15-11 (1:26pm)
 Computer Brand : Dell Precision T3400
 CPU Type : Intel Core Duo E6750 @2.660 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.0011.6996
 Number of Test Loops : 1
 Comment : HwAcc ON-nv3d10.hdi WSE Indexierung abgeschaltet

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	300	372	216	285	282
Rotate Hidden (3D) :	825	827	982	694	819
Rotate Conceptual (3D) :	822	803	989	671	806
Rotate Realistic (3D) :	915	892	437	554	634
2D Array/save (Disk) :	72	77	87	68	76
DXFout (Disk) :	175	226	150	62	122
Save Drawing (Disk) :	110	88	73	69	82
Calculations (CPU) :	205	205	206	204	205
Ortho lines (2D) :	336	278	382	308	322
Radial plines (2D) :	258	209	307	237	248
Text and Blocks (2D) :	111	111	124	113	115
Erase/Zoom (2D) :	134	131	174	190	153
Individual Dwg Index	299	298	290	252	

 C2011 Total Index = 277

 3D Graphics Index = 635
 2D Graphics Index = 179
 Disk Index = 89
 CPU Index = 205

 (Single Loop Time = 28 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	17.0	18.0	12.5	72.5	30.0
Rotate Hidden (3D) :	13.0	15.6	11.4	61.9	25.5
Rotate Conceptual (3D) :	13.0	16.0	11.3	64.0	26.1
Rotate Realistic (3D) :	9.8	15.4	17.8	108.0	37.8
2D Array/save (Disk) :	41.7	35.6	33.7	40.7	37.9
DXFout (Disk) :	23.3	19.8	21.0	67.3	32.9
Save Drawing (Disk) :	25.5	29.3	39.5	39.7	33.5
Calculations (CPU) :	19.0	19.1	19.1	19.0	19.0
Ortho lines (2D) :	32.8	28.9	34.2	23.6	29.9
Radial plines (2D) :	35.7	39.2	25.7	37.8	34.6
Text and Blocks (2D) :	30.5	27.9	41.4	34.5	33.6
Erase/Zoom (2D) :	57.2	59.5	42.7	37.8	49.3
Average Test Time By DWG =	26.5	27.0	25.9	50.6	
Average Test Time =	32.5				

CADALYST Systems Benchmark 2011
 Test version 5.3b ; Jun-2010
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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.0s
 Graphics Window size : 1232x735 pixels
 Test Date (Time) : 03-15-11 (2:15pm)
 Computer Brand : Dell Precision T3400
 CPU Type : Intel Core Duo E6750 @2.660 GHz
 System RAM : 4096
 Graphics Card : NVIDIA Quadro FX 3700
 Graphics Card driver : 6.14.0011.6996
 Number of Test Loops : 1
 Comment : HwAcc ON-nv3d10.hdi Windows Suche deinstalliert

Drawing (3D)====>	c2011_5	c2011_6	c2011_7	c2011_8	
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	Test Index
Rotate Wireframe (3D) :	300	281	220	350	280
Rotate Hidden (3D) :	826	757	993	743	819
Rotate Conceptual (3D) :	824	772	1001	699	810
Rotate Realistic (3D) :	1061	553	444	730	627
2D Array/save (Disk) :	75	50	57	45	55
DXFout (Disk) :	50	58	46	36	46
Save Drawing (Disk) :	63	54	62	50	56
Calculations (CPU) :	203	206	207	204	205
Ortho lines (2D) :	333	280	384	308	322
Radial plines (2D) :	256	210	308	237	248
Text and Blocks (2D) :	111	112	125	113	115
Erase/Zoom (2D) :	133	132	176	190	154
Individual Dwg Index	297	253	283	266	

 C2011 Total Index = 268

 3D Graphics Index = 634
 2D Graphics Index = 179
 Disk Index = 52
 CPU Index = 205

 (Single Loop Time = 32 min)

***** Test Data: Actual Times (sec)

Drawing====>	1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe (3D) :	16.9	23.9	12.3	59.0	28.0
Rotate Hidden (3D) :	13.0	17.0	11.3	57.8	24.8
Rotate Conceptual (3D) :	13.0	16.7	11.2	61.5	25.6
Rotate Realistic (3D) :	8.4	24.9	17.5	82.0	33.2
2D Array/save (Disk) :	39.8	55.2	50.9	61.6	51.9
DXFout (Disk) :	81.2	77.2	67.6	116.8	85.7
Save Drawing (Disk) :	44.7	48.4	46.5	55.3	48.7
Calculations (CPU) :	19.2	19.0	19.0	19.0	19.0
Ortho lines (2D) :	33.1	28.7	34.1	23.6	29.9
Radial plines (2D) :	36.1	38.8	25.6	37.8	34.6
Text and Blocks (2D) :	30.4	27.6	40.9	34.5	33.4
Erase/Zoom (2D) :	57.5	59.1	42.1	37.7	49.1
Average Test Time By DWG =	32.8	36.4	31.6	53.9	
Average Test Time =	38.7				

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3D Graphics Index      = 718
2D Graphics Index      = 179
Disk Index              = 76
CPU Index               = 204
*****
```

***** Test Data: Actual Times (sec)						
Drawing==>>		1st Dwg	2nd Dwg	3rd Dwg	4th Dwg	Test (avg)
Rotate Wireframe	(3D) :	15.1	16.5	9.1	62.3	25.7
Rotate Hidden	(3D) :	12.8	15.4	10.1	57.4	23.9
Rotate Conceptual	(3D) :	12.9	15.9	10.1	60.5	24.9
Rotate Realistic	(3D) :	8.8	15.7	9.9	85.5	30.1
2D Array/save	(Disk) :	38.5	40.3	44.0	41.8	41.1
DXFout	(Disk) :	43.9	38.7	25.8	71.3	44.9
Save Drawing	(Disk) :	33.5	36.4	36.9	47.7	38.6
Calculations	(CPU) :	19.1	19.3	19.1	19.1	19.1
Ortho lines	(2D) :	32.8	28.9	34.2	23.6	29.9
Radial plines	(2D) :	35.8	39.2	25.7	37.8	34.6
Text and Blocks	(2D) :	30.1	27.7	40.9	34.6	33.3
Erase/Zoom	(2D) :	57.4	59.4	42.1	37.7	49.2
Average Test Time By DWG =		28.4	29.4	25.7	48.3	
Average Test Time =		32.9				

CADALYST Systems Benchmark 2012

Test version 5.4 ; Jul-2011

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OS Platform : Microsoft Windows NT Version 5.1 (x86)
 AutoCAD version : 18.2s
 Graphics Window size : 1424x601 pixels
 Test Date (Time) : 09-18-11 (10:59pm)
 Computer Brand : Dell Precision M4400
 CPU Type : Intel Core 2 Duo P8400 2.26GHz
 System RAM : 4GB
 Graphics Card : NVidia Quadro FX 770M
 Graphics Card driver : 6.14.12.6658
 Number of Test Loops : 1
 Comment : ---

Drawing (3D)====>>	c2012_5	c2012_6	c2012_7	c2012_8	
Drawing (2D)====>>	c2012_1	c2012_2	c2012_3	c2012_4	Test Index

Rotate Wireframe (3D) :	255	260	169	203	215
Rotate Hidden (3D) :	440	393	605	335	423
Rotate Conceptual (3D) :	434	411	601	343	429
Rotate Realistic (3D) :	94	67	33	368	68
2D Array/save (Disk) :	64	60	67	76	66
DXFout (Disk) :	60	85	95	196	91
Save Drawing (Disk) :	77	62	71	80	72
Calculations (CPU) :	150	148	151	145	148
Ortho lines (2D) :	357	317	392	345	351
Radial plines (2D) :	297	276	326	290	296
Text and Blocks (2D) :	110	124	127	130	122
Erase/Zoom (2D) :	184	187	229	254	210

Individual Dwg Index	179	174	201	194	

C2012 Total Index = 179

3D Graphics Index = 284

2D Graphics Index = 209

Disk Index = 75

CPU Index = 148

(Single Loop Time = 30 min)