

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	C2010 Total	3D	2D	Disk	CPU	Single Loop Time	CAD.de Link	Details
														Index	Index	Index	Index	Index	(minutes)		
1	Microsoft Windows NT Version 5.1 (x86)	18.0s	ACA als Acad	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 FX1700	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)	acer Aspire 8920	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 ACAD	32	1256x713 pixels	04-30-10 (12:43am)	-	i5 CPU 670@3.47 GHz	8,00 GB	FX3800	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 ACAD	32	1276x731 pixels	04-30-10 (3:58pm)	-	i5 CPU 670@3.47 GHz	8,00 GB	FX3800	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 FX1700	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 ACAD	32	1828x922 pixels	05-07-10 (4:29pm)	selfbuild	AMD 945 C3	4GB DDR3-1333	FX580	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 ACAD	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	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	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	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(R) Core(TM)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(R) Core(TM)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(R) Xeon(R) 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(R) 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 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	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	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

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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

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

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

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

CADALYST Systems Benchmark 2010
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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

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

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

CADALYST Systems Benchmark 2010
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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				

CADALYST Systems Benchmark 2010
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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 : ---

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

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (3D)====>>	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

CADALYST Systems Benchmark 2010
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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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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
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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 : ---

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

	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) :	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
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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

	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) :	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  : 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
    
```

	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) :	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
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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

	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) :	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				

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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				

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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				

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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

	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) :	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

	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) :	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	Test Index
Drawing (2D)====>>	c2010_1	c2010_2	c2010_3	c2010_4	
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				

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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)

	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) :	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

	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) :	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

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
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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

	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) :	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				

CADALYST Systems Benchmark 2010
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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

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) :	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				