

CADALYST Systems Benchmark				2010 Test version 5.3 ; Jan-2010																	
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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 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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<b>267</b>	19	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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	<b>13</b>	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
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 GB	Standard VirtualBox 3.1.8, 128MB, 2D&3D Beschleunigung	-	1	HwAcc ON	78	19	127	29	139	306	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
33	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1916x758 pixels	06-01-10 (5:03pm)	Dell Precision M4500	Intel Core i7 Q720	4,00 GB	nVidea Quadro FX 880M	197.16 WHQL	1	HwAcc ON-nvd???hdi	273	611	202	123	155	34	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
34	Microsoft Windows NT Version 6.1 (x86)	18.0s	AutoCAD	32	1916x1037 pixels	07-09-10 (11:54am)	-	Intel Core i7-920, 4x 2.67GHz	6,00 GB	PNY QuadroFX 1800	-	5	HwAcc ON	321	656	281	126	221	20	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
35	Microsoft Windows NT Version 6.1 (x64)	18.1s	AutoCAD	64	1276x653 pixels	07-13-10 (1:06pm)	-	Intel Core i7-920, 4x 2.67GHz	6,00 GB	PNY QuadroFX 1800	18.01.2004	1	HwAcc ON	<b>812</b>	<b>2730</b>	174	146	198	20	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
36	Microsoft Windows NT Version 6.1 (x64)	18.1s	Map 3D	64	1632x742 pixels	07-13-10 (5:13pm)	Lenovo	IntelCore 2 Q6600, 2,4 Ghz	4,00 GB	nVidia Quadro FX 1700	8.15.11.9038	1	HWacc ON	181	348	149	79	148	37	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
37	Microsoft Windows NT Version 5.1 (x86)	18.0s	ACA	32	1859x782 pixels	07-13-10 (1:53pm)	HP Notebook	Q9550 @ 2.83GHz	3,25 GB	ATI Radeon HD 4800 Series	8.632.0.0	1	HwAcc ON-Autodesk	178	193	248	70	201	50	<a href="#">Link zum Beitrag</a>	<a href="#">Details</a>
38	Microsoft Windows NT Version 5.1 (x86)	18.0s	ACA	32	1859x782 pixels	07-13-10 (5:21pm)	HP Notebook	Q9550 @ 2.83GHz	3,25 GB	ATI Radeon HD 480											

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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	

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 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
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Individual Dwg Index	155	155	185	159	

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 C2010 Total Index = 161  
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 3D Graphics Index = 50  
 2D Graphics Index = 243  
 Disk Index = 149  
 CPU Index = 204  
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 (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

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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
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Individual Dwg Index	237	231	279	246	

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C2010 Total Index = 242  
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3D Graphics Index = 382  
 2D Graphics Index = 280  
 Disk Index = 91  
 CPU Index = 214  
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(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
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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
-----	-----	-----	-----	-----	-----
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 : ---

	c2010_5	c2010_6	c2010_7	c2010_8	
Drawing (3D)====>	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

\*\*\*\*\*  
 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) : 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				

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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

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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

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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

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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

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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

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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  
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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)====>	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

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				

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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

\*\*\*\*\*

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				

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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				

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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				



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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				

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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				

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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  
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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				

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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  
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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				

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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

*****					
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) :	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  
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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				



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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  
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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  
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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  
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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				

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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				

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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	Test Index
Drawing (2D)====>	c2011_1	c2011_2	c2011_3	c2011_4	
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				

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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				

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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				



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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				