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ANSYS Benchmark #3: Results List

A Test of the Video Subsystem

This benchmark is designed to test the computer's video capabilities.

- Please email your results data to benchmarks@padtinc.com

[| Benchmark Index |](#)

Rank	Computer Make	CPU Details	Video Details	Display Details	Graphics Option	ANSYS Version	Frame Rate #1	Frame Rate #2	Frame Rate #3	Comments
1.	Custom	Pentium 4, 3.02 GHz	PNY Quadro FX 1000, 128MB	1280x1024, 19" diag	3D	7.1	500.00	250.00	79.63	WinXP, Benchmark seems so reach reach some sort of result cap since there are no result changes anymore
2.	Home grown	Pentium 4, 2.8 GHz	ATI Radeon 9700 Pro, 128MB	1280x1024, 16" diag	3D	7.0	200.00	58.82	15.63	Full Graphics
3.	Custom	9600	Sapphire 256Mb	1280x1024, 17", 32bit	3D	8.1	167.00	42.00	11.00	
4.	Dell Precision 650	Xeon 2.8 GHz (Dual)	Quadro4 900 XGL, 128 MB	1600 by 1024, 24" diag	3D	6.0	125.00	71.43	76.92	Sony Trinitron 24" Monitor
5.	HP X4000	XEON 2000	ATI FIREGL4, 128MB	1280x1024, 14" diag	3D	6.0	111.10	31.25	8.20	
6.	Dell 530	Dual P4 2.2 GHz	Wildcat II 5110	1280x1024, 15" diag	3D	6.0	100.00	31.25	7.63	Win XP Pro
7.	Dell Precision Workstation 330	Pentium 4, 1.50GHz	SONICblue FireGL2, 64MB, 190MHz	1280x1024x32bpp@85Hz, 1036x789 pixels" diag	3D	5.6.2	90.91	25.64	6.49	i850 chipset 1GB PC800 RDRAM
8.	Dell Dimension 530	Dual 1.7 GHz Xeon	Wildcat II 5110, MB, MHz	1600x1200, 16" diag	3D	5.7.1	83.33	41.67	16.67	Win2000
9.	Dell PWS 650	dual-Xeon, 3.06 GHz	3Dlabs Wildcat 7110, 128+128 MB, 320MHz	1600x1200, 20" diag	3D	7.1	83.33	31.25	8.26	Monitor is Dell 2000FP LCD Driver ver. 6.6.2.39
10.	Dell Precision 370	P4 3.2GHz 1MB Cache	Quadro FX 1300, 128MB, Driver 61.27	1280x1024, 20" diag	3D	8.1A1	83.33	25.00	6.41	Later drivers 67.22 and 71.84 give much less performance
11.	DELL Precision 620	2 x PIII Xeon 1 GHz	Intense 3D Wildcat 4110 Pro, 64/64/8MB, 220MHz	1280x1024, 15.5" diag	3D	5.6.2	83.33	21.74	6.37	NT4 SP5
12.	DELL Precision 620	2 x PIII Xeon 1 GHz	Intense 3D Wildcat 4110 Pro, 64/64/8MB, 220MHz	1280x1024, 15.5" diag	3D	5.7	83.33	21.74	6.33	NT4 SP5
13.	Home grown	Pentium 4, 2.8 GHz	ATI Radeon 9700 Pro, 128MB	1280x1024, 16" diag	3D	7.0	83.33	21.74	5.65	PowerGraphics
14.	Custom	P4 2660MHz	ATI All in Wonder 8500DV 64Mb	1024x768, 19" diag, 16bit color	3D	6.1	83.30	20.00	5.13	ASUS P4T533-C motherboard, 512Mb RDRAM
15.	Dell Precision	P4 3.2GHz 1MB Cache	Quadro FX 1300, 128MB	1280x1024, 20" diag	3D	8.1A1	76.92	25.64	6.49	winxp sp2

	370										
16.	Dell Precision WorkStation 340	Pentium IV, 2.4 GHz	NVIDIA Quadro 4 900 XGL	1600x1200, 19" diag	3D	7.0	71.43	20.41	5.29		
17.	Fujitsu Siemens Celsius R630	2x Intel Xeon 3,6 GHz	Quadro FX 3400, 256 MB	1280x1024, 15" diag	3D	6.0	71.43	15.38	3.64		
18.	Monarch Computers	Athlon 2100+	GeForce 4 Ti 4200 128 Mb	1280x1024, 19" diag	3D	6.0	67.00	17.00	4.00		
19.	Dell Precision 650	Intel Xeon	NVIDIA Quadro4 900 XGL	1280x1024, 15" diag	3D	7.1	65.00	54,000.00	7.30		
20.	FSC Celsius R630	2xXeonDP@3.2GHz	NVIDIA Quadro FX 3450, 256 MByte, PCI Express x16, 2 x DL DVI-I, stereo	1280x1024, 21" diag	3D	10.0	62.50	30.30	11.11		
21.	Dell Inspiron 5150	Pentium 4 3.06GHz	Nvidia GeForce FX Go5200	1400x1050, 15" diag	3D	8.1	62.50	25.00	7.41		
22.	Dell Precision 450	Dual P4 Xeon 3.06 GHz	nVidia QuadroFX 500, 128MB	1280x1024, 21" diag	3D	7.1	62.50	17.80	4.65		
23.	@Xi Mtower 2P64	Opteron 254 x 2	nVidia Quadro FX4500, 512 MB	1600x1200, 20" diag	3D	9.0	58.82	58.82	58.82	XP64; frame rate is apparently limited by card refresh rate: ~60 fps at 60 Hz, ~75 fps at 75 Hz. Does this benchmark still make sense? 1/25/06 -DB	
24.	NEC Versa E6210	Intel Core Duo T2300E (1.66GHz)	NVIDIA GeForce Go 7300 (256Mb)	1280x1024, 15" diag	3D	10.0	58.82	29.41	7.41		
25.	Dell Precision Workstation 330	Intel P4, 1500MHz	ELSA Gloria II Pro (NVIDIA Quadro), 64MB, 135MHz	1280x1024, 1258x922" diag	3D	5.6.2	58.82	15.38	3.94	—	
26.	Dell Precision 530	2x1.7GHz Intel Pentium 4 Xeon	NVIDIA Quadro4 550 XGL 64MB	1280x1024, 19" diag	3D	6.1	55.56	15.15	4.00		
27.	Monarch Computers	Athlon 2100+	GeForce2 MX/MX400 64Mb AGP	1280x960, 19" diag	3D	6.0	53.00	15.00	4.00		
28.	Noname	Dual Athlon MP1800+, ~1533 MHz	3Dlabs, Wildcat II 5000, 80MB, 300MHz	1600 X 1200, 15.5" diag	3d	5.7.1	52.63	15.15	3.91	Windows 2000 SP2	
29.	DELL WS530	Dual Intel 2.2 GHz processors	nVidia Quadro 4 750 XGL, 128 MB RAM	1280x1024, 21" diag	3D	8.1	50.00	13.16	3.33	Windows 2000 SP4, 2GB RAM	
30.	DELL Precision WS530	Dual 2.2 GHz Intel P3	nVidia Quadro 4 750 XGL, 128 MB RAM	1280x1024, 21" diag	3D	8.1	50.00	13.16	3.33	2 GB RAM, Windows 2000 SP4	
31.	Dell Precision Workstation 620	Dual P3 Xeon - 1.0GHz, 256KB L2 cache	SONICblue FireGL2, 64MB, 190MHz	1280x1024x32bpp@85Hz, 1036x789 pixels" diag	3D	5.6.2	47.62	12.99	3.27	i840 chipset, 2.0GB PC800 RDRAM	
32.	Dell Optiplex GX260	P4, 2.53 GHz	NVidia Quadro2 Pro, 64 Mb	1280x1024, 21" diag	3D	7.0	45.45	12.66	3.23	Windows XP Pro	
33.	IBM Intellistation Z Pro	PII, 500 MHz	3D Labs Intense3D Wildcat 4000, 64/16MB, MHz	1280x1024	3d	5.6.2	43.48	16.95	4.72	—	
34.	DELL Precision 530	Dual XEON, 1500 MHz	ATI Fire GL2 AGP, 64MB, 300MHz	1280, 16" diag	3d	5.7	41.67	17.86	5.52	Single processor used.	

35.	Dell Precision Workstation 420	P3 - 866MHz	ELSA Gloria II Pro (NVIDIA Quadro chipset), 64MB 300MHz DDR-SDRAMMB, 135MHzMHz	1280x1024x32bpp@85Hz, 1036x789 pixels" diag	3D	5.6.3	41.67	10.99	2.77	i840 chipset, 512MB PC800 ECC RDRAM
36.	Dell Precision Workstation 420	P3 - 866MHz	ELSA Gloria II Pro (NVIDIA Quadro), 64MB 300MHz DDR-SDRAMMB, 135MHzMHz	1600x1200x32bpp@85Hz, 1258x922 pixels" diag	3D	5.6.3	41.67	10.99	2.76	i840 chipset, 512MB PC800 ECC RDRAM
37.	Dell Precision Workstation 420	PIII - 866MHz	ELSA Gloria II Pro (NVIDIA Quadro chipset), 64MB 300MHz DDR-SDRAMMB, 135MHzMHz	1600x1200x32bpp@85Hz, 1258x922 pixels" diag	3D	5.7 beta 3	41.67	10.87	2.75	i840 chipset, 512MB PC800 ECC RDRAM
38.	HP Visualize X-Class A1280	Dual P3 @866 MHz	HP Visualize FX6+, 18MBMB, MHz	1280x1024, 15.5" diag	3D	5.6.2	40.00	10.64	2.73	Windows 2000
39.	DELL, Precision 620	2 X 800 Mhz XEON Pentium	3DLabs Wildcat 4110 Pro, 128MB, 220MHz	1280x1024	3d	5.6.2	38.46	9.71	2.43	—
40.	HP Visualize X-Class A1280	2-PIII 733 mhz	HP, Fx6+, 18MB, MHz	1280x1024	3d	5.6.2	37.04	10.10	2.57	—
41.	COMPAQ SP750	P3 1 GHz	ELSA GLoria II-64	1152x864, 21" diag	3D	7.0	33.33	8.70	2.18	
42.	Dell Precision 620	P3 - Xeon, 1000 Mhz	nVidia GeForce2 GTS, 32MB, MHz	1280 x 1024, 12" diag	3d	5.6.1	33.33	8.47	2.15	—
43.	Dell Precision 330	Intel Pentium 4, 1.3 GHz	NVIDIA Quadro2 Pro 64 MB	1280x1024, 15" diag	win32c	8.0	33.33	8.26	2.06	
44.	Home grown	AMD Athlon (1333MHz)	GeForce2 Pro, 64MB, 350MHz	1280x960, 14" diag	3d	6.0	31.25	7.94	2.00	Windows 2000
45.	Compaq AP550	PIII 2-733	Intense 3D Wildcat 4110, 64MBMB, 220MHz	1280x1024, 13" diag	3D	5.6.1	30.30	8.60	2.30	—
46.	Built In-House	dual P-III @ 650 MHz	Elsa, 64MB, 350MHz	1536x1152, 12" diag	3d	5.6.2	30.30	7.81	1.96	all defaults taken on command line. 24 bit color resolution
47.	HP J5600	HP PA-RISC 8600, 552MHz	HP Visualize FX-6+, 64MB, ??MHz	1600x1200x32bpp@75Hz, 1134x850 pixels" diag	OpenGL	5.6.2	30.30	7.75	1.95	64-bit UNIX version
48.	HP Visualize X-Class A1280	2-PIII 733 mhz	HP, Fx6+, 18MB, MHz	1280x1024, 15.5" diag	3d	5.6.2	28.57	9.35	2.55	Win 2000, same as HP Visualize above that has nt 4.0, machines are identical otherwise.
49.	IBM Intellistation M-Pro	Intel Pentium III, 733MHz	Diamond, Fire GL1, 32MB, MHz	1024x768	3d	5.6.2	25.64	6.54	1.63	—
50.	Dell Dimension XPS T-550	P-III 550 Mhz	ASUS - Ti4200 - 8x - 128 Mb	1280x1024, 19"	3D	7.0	19.61	6.02	1.27	Running Win XP Pro.

Top 50 results are shown, ranked by *Frame Rate #1*.

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