



CFP2000 Result

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Dell
Precision WorkStation 650 (2.4 GHz Xeon)

SPECfp2000 = **944**
SPECfp_base2000 = **934**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: Nov-2002 | Software Avail: Jun-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	131	1218	125	1275	
171.swim	3100	204	1521	204	1523	
172.mgrid	1800	205	880	204	882	
173.applu	2100	216	973	213	987	
177.mesa	1400	150	934	149	939	
178.galgel	2900	209	1387	209	1387	
179.art	2600	390	666	390	666	
183.earthquake	1300	105	1235	101	1283	
187.facerec	1900	172	1104	172	1105	
188.amp	2200	375	587	374	588	
189.lucas	2000	160	1247	156	1285	
191.fma3d	2100	229	916	229	916	
200.sixtrack	1100	246	448	243	454	
301.apsi	2600	382	681	378	689	

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
Disk Subsystem: 1 x 36GB Seagate 15K U320
Other Hardware:

Software

Operating System: Windows XP Professional (SP1)
Compiler: Intel C++ and Fortran Compiler 6.0 (020613Z)
Microsoft Visual Studio .NET (7.0.9466)
MicroQuill SmartHeap Library 6.01
File System: NTFS
System State: Default

Notes/Tuning Information

PORTABILITY
178.galgel: -FI -F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
BASE TUNING
C/F77/F90: -Qipo -QxW -O3 +FDO
PEAK TUNING
168.wupwise: -Qipo -QxW +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 -Oa +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO
183.earthquake: -Qipo -QxW -O3 -Oa +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.amp: -Qipo -QxW -O3 -Oa +FDO



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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW +FDO
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
www.microquill.com