



CFP2000 Result

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Dell
Precision WorkStation 650 (2.8 GHz Xeon)

SPECfp2000 = 1020
SPECfp_base2000 = 1010

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	118	1361	113	1422	
171.swim	3100	199	1556	198	1563	
172.mgrid	1800	189	951	191	944	
173.applu	2100	204	1028	201	1047	
177.mesa	1400	129	1083	128	1090	
178.galgel	2900	195	1484	196	1481	
179.art	2600	383	678	383	678	
183.earthquake	1300	99.4	1308	96.4	1348	
187.facerec	1900	155	1224	155	1225	
188.amp	2200	352	624	351	627	
189.lucas	2000	152	1314	150	1338	
191.fma3d	2100	207	1013	206	1018	
200.sixtrack	1100	212	520	209	527	
301.apsi	2600	353	737	350	743	

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2800
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