



CFP2000 Result

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Dell
Precision WorkStation 650 (3.06 GHz Xeon)

SPECfp2000 = 1063
SPECfp_base2000 = 1053

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Mar-2002 Hardware Avail: Mar-2003 Software Avail: Jun-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	110	1456	106	1512	
171.swim	3100	197	1571	198	1569	
172.mgrid	1800	185	974	185	973	
173.applu	2100	199	1055	196	1074	
177.mesa	1400	118	1182	118	1188	
178.galgel	2900	190	1527	189	1533	
179.art	2600	381	683	379	687	
183.earthquake	1300	96.6	1345	94.0	1383	
187.facerec	1900	146	1298	146	1300	
188.amp	2200	339	648	340	648	
189.lucas	2000	149	1341	147	1360	
191.fma3d	2100	195	1077	195	1077	
200.sixtrack	1100	194	568	191	575	
301.apsi	2600	339	767	336	774	

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3066
 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