



CFP2000 Result

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Dell
Precision WorkStation 650 (2.4 GHz Xeon)

SPECfp_rate2000 = 14.9
SPECfp_rate_base2000 = 14.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	145	25.5	2	139	26.6
171.swim	2	472	15.2	2	473	15.2
172.mgrid	2	349	12.0	2	349	12.0
173.applu	2	368	13.2	2	365	13.4
177.mesa	2	155	21.0	2	154	21.1
178.galgel	2	306	22.0	2	306	22.0
179.art	2	849	7.11	2	848	7.12
183.quake	2	167	18.1	2	167	18.1
187.facerec	2	213	20.7	2	212	20.8
188.amp	2	508	10.0	2	507	10.1
189.lucas	2	306	15.2	2	307	15.1
191.fma3d	2	297	16.4	2	285	17.1
200.sixtrack	2	247	10.3	2	244	10.5
301.apsi	2	517	11.7	2	516	11.7

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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

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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.quake: -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