



CFP2000 Result

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Dell
Precision WorkStation 650 (2.0 GHz Xeon)

SPECfp_rate2000 = 13.8
SPECfp_rate_base2000 = 13.7

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	162	22.9	2	156	23.8
171.swim	2	489	14.7	2	489	14.7
172.mgrid	2	361	11.6	2	361	11.6
173.applu	2	381	12.8	2	377	12.9
177.mesa	2	184	17.7	2	182	17.8
178.galgel	2	320	21.0	2	321	21.0
179.art	2	879	6.86	2	874	6.90
183.quake	2	173	17.5	2	172	17.6
187.facerec	2	237	18.6	2	238	18.5
188.amp	2	535	9.55	2	533	9.57
189.lucas	2	311	14.9	2	313	14.8
191.fma3d	2	330	14.8	2	330	14.8
200.sixtrack	2	295	8.65	2	291	8.77
301.apsi	2	547	11.0	2	547	11.0

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2000
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