



CFP2000 Result

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Dell
Precision WorkStation 650 (2.0 GHz Xeon)

SPECfp_rate2000 = 10.1
SPECfp_rate_base2000 = 9.95

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	1	150	12.4	1	143	13.0
171.swim	1	197	18.2	1	198	18.2
172.mgrid	1	229	9.13	1	229	9.13
173.applu	1	228	10.7	1	224	10.9
177.mesa	1	178	9.11	1	177	9.16
178.galgel	1	224	15.0	1	224	15.1
179.art	1	383	7.88	1	381	7.92
183.quake	1	113	13.3	1	107	14.1
187.facerec	1	194	11.4	1	194	11.4
188.amp	1	403	6.34	1	402	6.34
189.lucas	1	169	13.7	1	161	14.4
191.fma3d	1	257	9.46	1	257	9.46
200.sixtrack	1	294	4.34	1	290	4.40
301.apsi	1	417	7.23	1	412	7.32

Hardware

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

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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