



CFP2000 Result

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Dell
Precision WorkStation 530 (2.4 GHz Xeon)

SPECfp_rate2000 = 13.8
SPECfp_rate_base2000 = 13.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	167	22.2	2	162	22.9
171.swim	2	478	15.1	2	477	15.1
172.mgrid	2	401	10.4	2	401	10.4
173.applu	2	399	12.2	2	382	12.8
177.mesa	2	160	20.3	2	161	20.2
178.galgel	2	365	18.4	2	366	18.4
179.art	2	997	6.05	2	994	6.07
183.quake	2	204	14.8	2	172	17.5
187.facerec	2	215	20.5	2	216	20.4
188.amp	2	587	8.69	2	584	8.74
189.lucas	2	285	16.3	2	283	16.4
191.fma3d	2	343	14.2	2	340	14.3
200.sixtrack	2	254	10.0	2	249	10.2
301.apsi	2	506	11.9	2	505	11.9

Hardware

CPU: Intel Xeon (400 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: 2 x 256MB PC800-45 ECC RDRAM
Disk Subsystem: 1 x 18GB Fujitsu Limited 10K U160
Other Hardware:

Software

Operating System: Windows XP Professional
Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)
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 shlW32M.lib
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