



CFP2000 Result

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Dell

Precision Workstation 650 (3.2 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 18.3

SPECfp_rate_base2000 = 18.2

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2003 | Hardware Avail: Oct-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	115	32.2	2	116	32.1
171.swim	2	482	14.9	2	482	14.9
172.mgrid	2	272	15.3	2	271	15.4
173.applu	2	361	13.5	2	360	13.5
177.mesa	2	109	29.9	2	109	29.8
178.galgel	2	225	29.8	2	226	29.7
179.art	2	628	9.61	2	602	10.0
183.quake	2	165	18.2	2	166	18.2
187.facerec	2	174	25.4	2	166	26.6
188.amp	2	324	15.8	2	323	15.8
189.lucas	2	308	15.1	2	309	15.0
191.fma3d	2	252	19.4	2	252	19.4
200.sixtrack	2	188	13.6	2	183	13.9
301.apsi	2	343	17.6	2	341	17.7

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3200
 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: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 x 512MB PC2100 ECC DDR SDRAM CL2-2-2
 Disk Subsystem: 1 x 36GB 10K RPM U320 SCSI
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Intel Fortran Compiler 7.1 (20030402Z)
 Microsoft Visual Studio .NET (7.0.9466)
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY

178.galgel: -FI /F32000000

FEEDBACK DIRECTED OPTIMIZATION

ONESTEP=YES

FDO: PASS1= -Qprof_gen PASS2=-Qprof_use

BASE TUNING

C/F77/F90: -Qipo -QxW -O3 +FDO

PEAK TUNING

168.wupwise: -Qipo -QxW -O3 +FDO

171.swim: -Qipo -QxW -O3 +FDO

172.mgrid: -Qipo -QaxW -O3 +FDO

173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO

177.mesa: -Qipo -QxW -O3 -Oa +FDO

178.galgel: -Qipo -QxW -O3 +FDO

179.art: -Oa -Qipo -Qunroll4 -Zp4

183.quake: -Qipo -QxW -Oa -Qrcd +FDO

187.facerec: -O3 -QaxW -Qipo -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

188. ammp: -Oa -QxW
189. lucas: -Qipo -QaxW
191. fma3d: basepeak=yes
200. sixtrack: -Qipo -QxW +FDO
301. apsi: -Qipo -QxW -O3 +FDO