



CFP2000 Result

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Dell
Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp2000 = **1186**
SPECfp_base2000 = **1173**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	102	1571	102	1569	
171.swim	3100	201	1540	201	1539	
172.mgrid	1800	158	1137	158	1139	
173.applu	2100	196	1071	196	1072	
177.mesa	1400	111	1256	110	1269	
178.galgel	2900	147	1976	147	1974	
179.art	2600	287	907	279	931	
183.quake	1300	97.0	1340	93.0	1399	
187.facerec	1900	131	1447	127	1494	
188.amp	2200	260	847	257	855	
189.lucas	2000	150	1334	148	1347	
191.fma3d	2100	181	1162	181	1162	
200.sixtrack	1100	194	568	189	582	
301.apsi	2600	266	978	266	979	

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3066
 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: 1024KB
 Other Cache: N/A
 Memory: 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
 Disk Subsystem: 1 x 36GB 10K 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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Dell

Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp2000 = 1186

SPECfp_base2000 = 1173

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

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

NOTES:

1 CPU disabled via BIOS setting.