



CFP2000 Result

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Dell
Precision WorkStation 330 (1.70 GHz P4)

SPECfp2000 = **607**
SPECfp_base2000 = **591**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2001 | Hardware Avail: Apr-2001 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	187	854	187	854	
171.swim	3100	246	1261	246	1260	
172.mgrid	1800	295	610	273	660	
173.applu	2100	295	713	289	727	
177.mesa	1400	220	635	217	645	
178.galgel	2900	502	578	503	576	
179.art	2600	499	521	486	535	
183.quake	1300	165	789	142	916	
187.facerec	1900	382	497	374	508	
188.amp	2200	570	386	566	389	
189.lucas	2000	240	833	234	856	
191.fma3d	2100	496	423	496	423	
200.sixtrack	1100	379	290	374	294	
301.apsi	2600	571	456	564	461	

Hardware

CPU: Intel Pentium 4
 CPU MHz: 1700
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 x 128MB PC800 ECC RDRAM
 Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/5
 Other Hardware:

Software

Operating System: Windows 2000 (SP1)
 Compiler: Intel C++ and Fortran Compiler 5.0 Build 001004
 Microsoft Visual C++ 6.0 (for libraries)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY

178.galgel: -FI /F32000000

FEEDBACK-DIRECTED OPTIMIZATION

FDO1: PASS1= /Qprof_gen

FDO2: PASS1= /Qprof_gen PASS2= /Qprof_use

BASE TUNING

C/F77/F90: -Qipo +FDO2 -QxW -O3

PEAK TUNING

168.wupwise: /Qipo +FDO2 /QxW /Qprefetch

171.swim: /Qipo +FDO2 /QxW /O3

172.mgrid: /Qipo +FDO2 /QaxW /O3

173.applu: /Qipo +FDO2 /QxW /O3 /Qscalar_rep- /Qauto

177.mesa: -Qwp_ipo +FDO2 -QxW -Qunroll0

178.galgel: /Qipo +FDO2 /QxW /O3

179.art: -Qipo +FDO2 -QxW -Oa shlw32M.lib

183.quake: -Qwp_ipo +FDO2 -QxW -Oa shlw32M.lib

187.facerec: /Qipo +FDO2 /QxW /O3 /Qauto shlw32M.lib

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Notes/Tuning Information (Continued)

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188. ammp:      -Qipo +FDO2 -QaxW -Oa
189. lucas:     /Qipo +FDO1 /QxW /Qunroll10
191. fma3d:    /Qipo +FDO2 /QxW /O3
200. sixtrack: /Qipo +FDO2 /QaxW
301. psi:      /Qipo +FDO1 /QxW /O3
EXTRA LIBRARIES
shlW32M.lib:   MicroQuill SmartHeap Library 5.0
               www.microquill.com
LIBRARY ORDERING
187. facerec:  libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib
               libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib

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