



CFP2000 Result

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Dell
Precision WorkStation 330 (1.80 GHz P4)

SPECfp2000 = **631**
SPECfp_base2000 = **615**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	178	897	179	896	
171.swim	3100	239	1294	239	1295	
172.mgrid	1800	282	639	262	688	
173.applu	2100	284	739	278	755	
177.mesa	1400	209	671	205	684	
178.galgel	2900	492	589	493	589	
179.art	2600	491	530	479	543	
183.quake	1300	159	816	137	947	
187.facerec	1900	363	524	356	534	
188.amp	2200	551	399	547	402	
189.lucas	2000	231	866	225	890	
191.fma3d	2100	472	445	472	445	
200.sixtrack	1100	358	307	353	312	
301.apsi	2600	549	474	543	479	

Hardware

CPU: Pentium 4
 CPU MHz: 1800
 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 (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 -Qunroll10

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 /Qunroll0
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
```