



CFP2000 Result

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Dell
Precision WorkStation 530 (1.7 GHz Xeon)

SPECfp_rate2000 = 11.9
SPECfp_rate_base2000 = 11.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	200	18.5	2	201	18.5
171.swim	2	478	15.0	2	478	15.0
172.mgrid	2	411	10.2	2	410	10.2
173.applu	2	402	12.1	2	398	12.2
177.mesa	2	204	15.9	2	207	15.7
178.galgel	2	452	14.9	2	451	14.9
179.art	2	992	6.08	2	988	6.10
183.quake	2	251	12.0	2	178	16.9
187.facerec	2	294	15.0	2	300	14.7
188.amp	2	705	7.24	2	691	7.39
189.lucas	2	304	15.2	2	302	15.4
191.fma3d	2	421	11.6	2	421	11.6
200.sixtrack	2	353	7.22	2	341	7.48
301.apsi	2	678	8.90	2	670	9.00

Hardware

CPU: Intel Xeon
CPU MHz: 1700
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: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 256MB PC800 ECC RDRAM
Disk Subsystem: 1 x 9GB Fujitsu 10K U160
Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
Compiler: Intel C++ and Fortran Compiler 5.0.1 (010727Z)
Microsoft Visual C++ 6.0 (SP5)
MicroQuill SmartHeap Library 5.0
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 +FDO /QxW /O3
PEAK TUNING
168.wupwise: /Qipo +FDO /QxW /Qprefetch
171.swim:    /Qipo +FDO /QxW /O3
172.mgrid:   /Qipo +FDO /QaxW /O3
173.applu:   /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
177.mesa:    -Qwp_ipo +FDO -QxW -Qunroll10
178.galgel:  /Qipo +FDO /QxW /O3
179.art:     -Qipo +FDO -QxW -O3 shlw32M.lib
183.quake:   -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
187.facerec: /Qipo +FDO /QxW /O3 shlw32M.lib
188.amp:     -Qipo +FDO -QaxW -Oa

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Notes/Tuning Information (Continued)

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189.lucas: /Qipo /QxW /Qunroll10
191.fma3d: /Qipo +FDO /QxW /O3
200.sixtrack: /Qipo +FDO /QxW
301.apsi: /Qipo /QxW /O3
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com
LIBRARY ORDERING
187.facerec: libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```