



CFP2000 Result

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Dell
PowerEdge 2650 (2.4 GHz Xeon)

SPECfp_rate2000 = 12.9
SPECfp_rate_base2000 = 12.2

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	166	22.3	2	160	23.3
171.swim	2	614	11.7	2	589	12.2
172.mgrid	2	494	8.45	2	450	9.28
173.applu	2	462	10.6	2	441	11.0
177.mesa	2	147	22.2	2	148	21.9
178.galgel	2	426	15.8	2	417	16.2
179.art	2	1148	5.25	2	1070	5.64
183.quake	2	265	11.4	2	173	17.5
187.facerec	2	221	19.9	2	228	19.3
188.amp	2	576	8.87	2	543	9.40
189.lucas	2	346	13.4	2	342	13.6
191.fma3d	2	368	13.2	2	362	13.4
200.sixtrack	2	254	10.1	2	243	10.5
301.apsi	2	596	10.1	2	580	10.4

Hardware

CPU: Intel Xeon
 CPU MHz: 2400
 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: N/A
 Other Cache: N/A
 Memory: 4GB PC1600 (DDR 200)
 Disk Subsystem: 1 x 9.2GB Quantum Atlas 10K II U160
 Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
 Compiler: Intel C++ and Fortran Compiler 5.0.1 (010922Z)
 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
2 CPU configuration achieved by editing boot.ini
```