



CFP2000 Result

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Dell
PowerEdge 2650 (2.4 GHz Xeon)

SPECfp_rate2000 = 8.69
SPECfp_rate_base2000 = 8.42

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	1	149	12.5	1	146	12.7
171.swim	1	308	11.7	1	313	11.5
172.mgrid	1	268	7.78	1	259	8.08
173.applu	1	297	8.20	1	293	8.33
177.mesa	1	148	11.0	1	150	10.8
178.galgel	1	319	10.5	1	317	10.6
179.art	1	543	5.55	1	541	5.57
183.quake	1	171	8.81	1	128	11.8
187.facerec	1	192	11.5	1	199	11.1
188.amp	1	457	5.59	1	446	5.72
189.lucas	1	228	10.2	1	219	10.6
191.fma3d	1	305	7.98	1	300	8.13
200.sixtrack	1	254	5.03	1	243	5.26
301.apsi	1	461	6.54	1	456	6.62

Hardware

CPU: Intel Xeon
 CPU MHz: 2400
 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: 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

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



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Notes/Tuning Information (Continued)

```
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.equake: -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
187.facerec: /Qipo +FDO /QxW /O3 shlw32M.lib
188.amp: -Qipo +FDO -QaxW -Oa
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
```

1 CPU configuration achieved by editing boot.ini