



CFP2000 Result

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Dell
PowerEdge 2650 (2.8 GHz Xeon)

SPECfp_rate2000 = 13.2

SPECfp_rate_base2000 = 12.4

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 150 | 24.8 | 2 | 146 | 25.5 |
| 171.swim | 2 | 632 | 11.4 | 2 | 598 | 12.0 |
| 172.mgrid | 2 | 473 | 8.83 | 2 | 447 | 9.34 |
| 173.applu | 2 | 472 | 10.3 | 2 | 464 | 10.5 |
| 177.mesa | 2 | 128 | 25.3 | 2 | 130 | 25.0 |
| 178.galgel | 2 | 403 | 16.7 | 2 | 398 | 16.9 |
| 179.art | 2 | 1204 | 5.01 | 2 | 1114 | 5.41 |
| 183.quake | 2 | 273 | 11.1 | 2 | 171 | 17.6 |
| 187.facerec | 2 | 227 | 19.4 | 2 | 234 | 18.8 |
| 188.amp | 2 | 546 | 9.34 | 2 | 536 | 9.53 |
| 189.lucas | 2 | 385 | 12.1 | 2 | 378 | 12.3 |
| 191.fma3d | 2 | 344 | 14.1 | 2 | 337 | 14.4 |
| 200.sixtrack | 2 | 219 | 11.7 | 2 | 211 | 12.1 |
| 301.apsi | 2 | 615 | 9.81 | 2 | 597 | 10.1 |

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
 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: None
 Other Cache: None
 Memory: 6 x 512MB DDR200
 Disk Subsystem: 1 x 36.4GB IBM DDYS-T36950M
 Other Hardware: None

Software

Operating System: Windows 2000 Advanced Server (SP2)
 Compiler: Intel C++ and Fortran Compiler 5.0.1 (020125Z)
 Microsoft Visual C++ 6.0 (SP5)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Hyper-Threading Technology disabled in BIOS

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
```