



CFP2000 Result

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Dell
PowerEdge 2650 (2.8 GHz Xeon)

SPECfp_rate2000 = 9.39
SPECfp_rate_base2000 = 8.98

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	1	131	14.1	1	130	14.3
171.swim	1	301	12.0	1	287	12.5
172.mgrid	1	250	8.35	1	244	8.55
173.applu	1	290	8.39	1	280	8.69
177.mesa	1	128	12.7	1	129	12.6
178.galgel	1	296	11.4	1	292	11.5
179.art	1	565	5.33	1	548	5.51
183.quake	1	167	9.05	1	116	13.0
187.facerec	1	182	12.1	1	188	11.7
188.amp	1	444	5.74	1	426	6.00
189.lucas	1	215	10.8	1	209	11.1
191.fma3d	1	269	9.06	1	267	9.11
200.sixtrack	1	218	5.85	1	209	6.09
301.apsi	1	445	6.77	1	434	6.95

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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
```