CFP2000 Result

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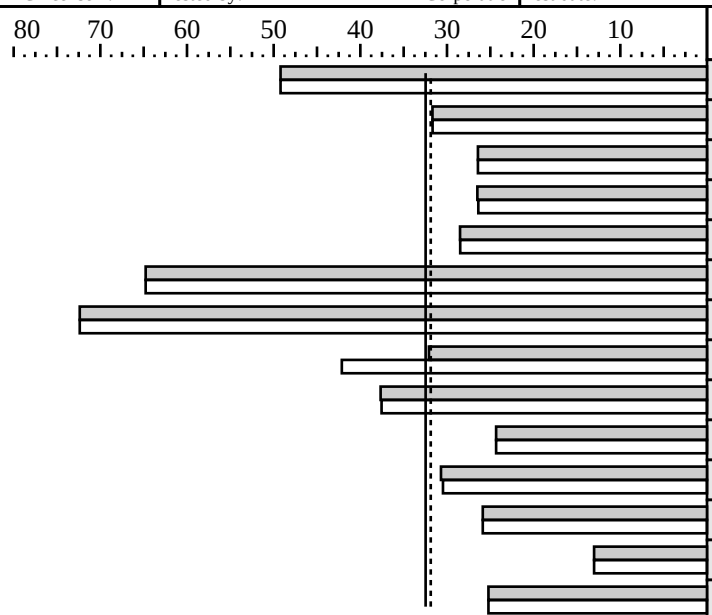
IBM Corporation

IBM eServer xSeries x306m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECfp_rate2000 = 32.5

SPECfp_rate_base2000 = 31.9

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	75.4	49.2	2	75.4	49.2
171.swim	2	227	31.7	2	227	31.7
172.mgrid	2	158	26.4	2	158	26.4
173.applu	2	184	26.5	2	185	26.4
177.mesa	2	114	28.5	2	114	28.5
178.galgel	2	104	64.8	2	104	64.8
179.art	2	83.3	72.4	2	83.3	72.4
183.equake	2	94.0	32.1	2	71.6	42.1
187.facerec	2	117	37.7	2	117	37.5
188.ammp	2	210	24.3	2	210	24.3
189.lucas	2	151	30.7	2	152	30.5
191.fma3d	2	188	25.9	2	188	25.9
200.sixtrack	2	196	13.0	2	196	13.0
301.apsi	2	239	25.2	2	239	25.2

Hardware

CPU:	Intel Pentium D 920 (800 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 MB ECC PC2-4200 Single Rank
Disk Subsystem:	80GB SATA 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications Intel Fortran Compiler 9.0 (20051130Z) for 32-bit applications Microsoft Visual Studio .NET 13.0.9466 (for libraries) MicroQuill Smartheap Library 7.30
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
PORTABILITY
  178.galgel:   -FI /F32000000
BASE TUNING
  C/F77/F90:    -fast -Qansi_alias     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     -fast -f77rtl +FDO
  172.mgrid:    basepeak=yes
  173.applu:    -fast -Qscalar_rep- -Qauto -f77rtl +FDO
  177.mesa:     -fast +FDO
  178.galgel:      basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -Oa -Qrcd +FDO shlw32M.lib
  187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
188.ammp:     basepeak=yes
189.lucas:    -fast
191.fma3d:    basepeak=yes
200.sixtrack: -fast +FDO
301.apsi:     basepeak=yes
```