CFP2000 Result

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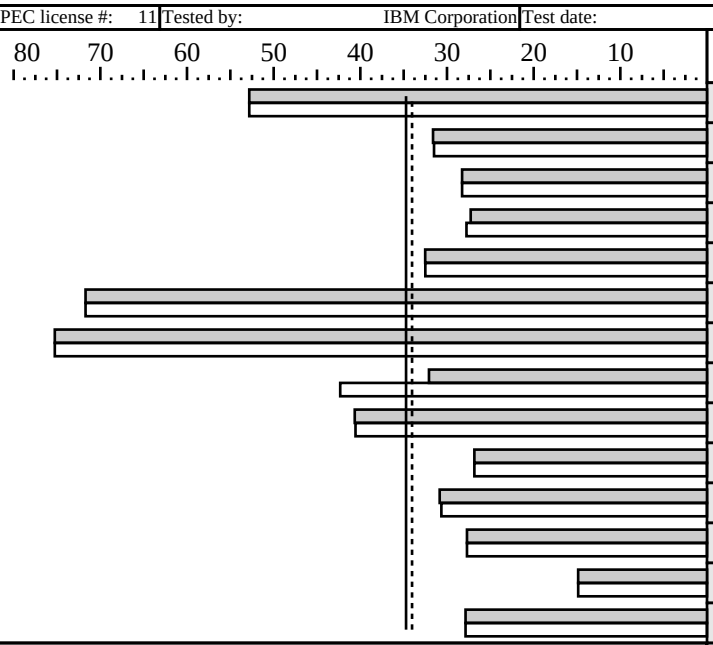
IBM Corporation

IBM eServer xSeries x306m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECfp_rate2000 = 34.7

SPECfp_rate_base2000 = 34.0

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	70.3	52.8	2	70.3	52.8
171.swim	2	228	31.6	2	228	31.5
172.mgrid	2	148	28.3	2	148	28.3
173.applu	2	179	27.3	2	176	27.8
177.mesa	2	99.9	32.5	2	99.9	32.5
178.galgel	2	93.8	71.7	2	93.8	71.7
179.art	2	80.2	75.3	2	80.2	75.3
183.equake	2	94.0	32.1	2	71.3	42.3
187.facerec	2	108	40.6	2	109	40.6
188.ammp	2	190	26.8	2	190	26.8
189.lucas	2	150	30.8	2	151	30.6
191.fma3d	2	176	27.7	2	176	27.7
200.sixtrack	2	172	14.9	2	172	14.9
301.apsi	2	217	27.9	2	217	27.9

Hardware

CPU:	Intel Pentium D 940 (800 MHz system bus)
CPU MHz:	3200
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
```