CFP2000 Result

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IBM Corporation

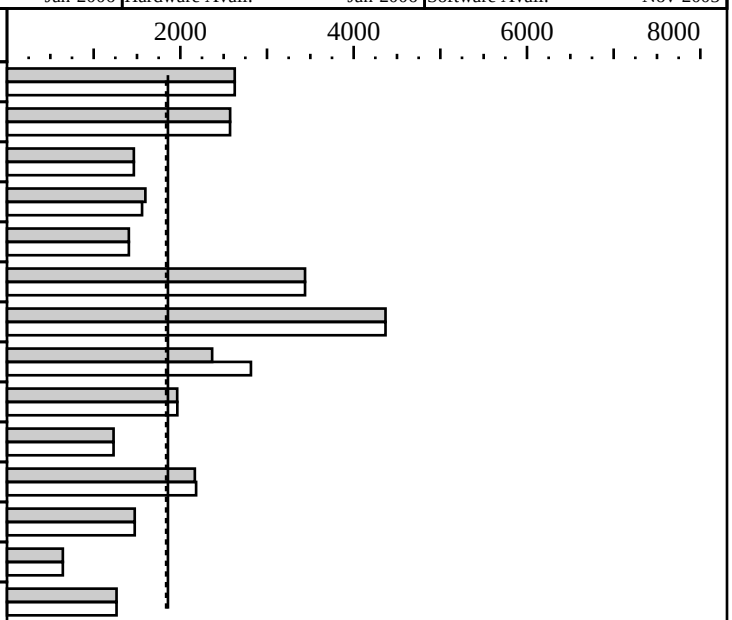
IBM eServer xSeries x306m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECfp2000 = 1857

SPECfp_base2000 = 1836

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	60.9	2628	60.9	2628
171.swim	3100	120	2575	120	2574
172.mgrid	1800	123	1464	123	1464
173.applu	2100	132	1597	135	1558
177.mesa	1400	99.6	1406	99.6	1406
178.galgel	2900	84.3	3439	84.3	3439
179.art	2600	59.5	4367	59.5	4367
183.equake	1300	54.9	2367	46.2	2815
187.facerec	1900	96.8	1964	96.7	1965
188.ammp	2200	179	1230	179	1230
189.lucas	2000	92.3	2167	91.7	2182
191.fma3d	2100	143	1474	143	1474
200.sixtrack	1100	171	644	171	644
301.apsi	2600	206	1264	206	1264



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
```