CFP2000 Result

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IBM Corporation

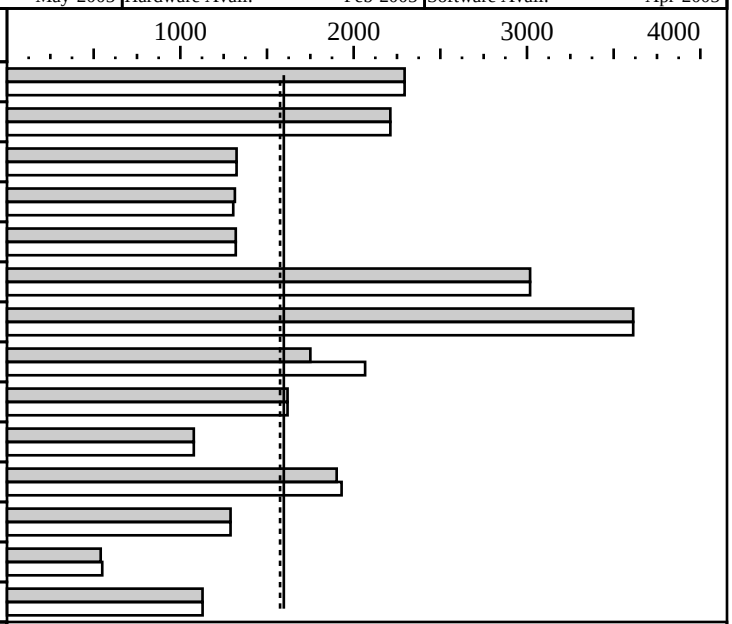
IBM eServer xSeries 346 (3.0 GHz Intel Xeon)

SPECfp2000 = 1597

SPECfp_base2000 = 1575

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: May-2005 | Hardware Avail: Feb-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	69.8	2294	69.8	2294
171.swim	3100	140	2212	140	2212
172.mgrid	1800	136	1324	136	1324
173.applu	2100	160	1315	161	1305
177.mesa	1400	106	1320	106	1320
178.galgel	2900	96.1	3018	96.1	3018
179.art	2600	72.0	3613	72.0	3613
183.equake	1300	74.3	1750	62.9	2066
187.facerec	1900	117	1619	117	1619
188.ammp	2200	204	1078	204	1078
189.lucas	2000	105	1902	104	1930
191.fma3d	2100	163	1290	163	1290
200.sixtrack	1100	204	541	200	549
301.apsi	2600	230	1128	230	1128



Hardware

CPU:	Intel Xeon (3.0 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz:	3000
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 + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 512 MB ECC PC2-3200 Single Rank
Disk Subsystem:	73GB SCSI 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 8.1 (20050409) Intel Fortran Compiler 8.1 (20050405Z) 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 -QxP -Qansi_alias     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     -fast -QxP -f77rtl +FDO
  172.mgrid:    basepeak=yes
  173.applu:    -fast -QxP -Qscalar_rep- -Qauto -f77rtl +FDO
  177.mesa:     basepeak=yes
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -QxP -Qansi_alias -Oa -Qrcd +FDO shlW32M.lib
  187.facerec:  basepeak=yes
```

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Notes/Tuning Information (Continued)

```
188.ammp:     basepeak=yes
189.lucas:    -fast -QxP
191.fma3d:    basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi:     -fast -QxP -f77rtl +FDO
```