CFP2000 Result

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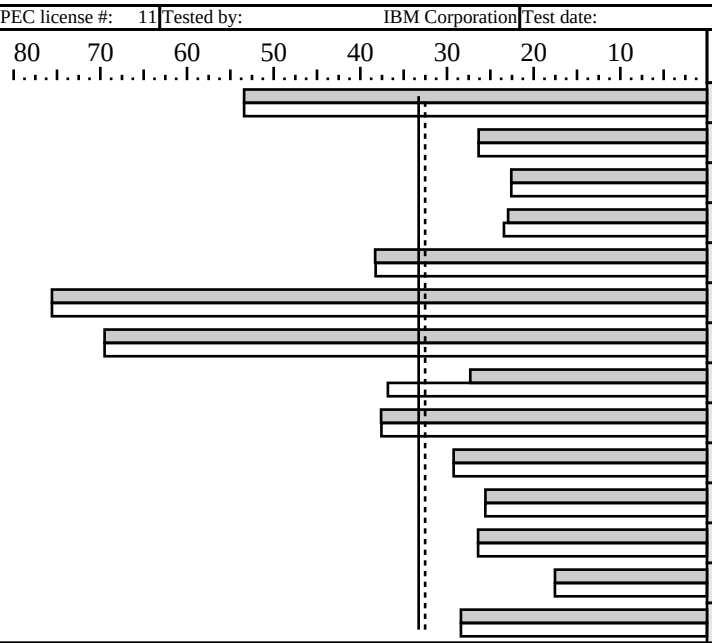
IBM Corporation

IBM eServer xSeries 346 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 33.3

SPECfp_rate_base2000 = 32.5

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	69.5	53.4	2	69.5	53.4
171.swim	2	273	26.3	2	273	26.4
172.mgrid	2	185	22.6	2	185	22.6
173.applu	2	212	22.9	2	208	23.4
177.mesa	2	84.8	38.3	2	85.0	38.2
178.galgel	2	89.0	75.6	2	89.0	75.6
179.art	2	86.8	69.5	2	86.8	69.5
183.equake	2	110	27.3	2	81.9	36.8
187.facerec	2	117	37.6	2	117	37.6
188.ammp	2	175	29.2	2	175	29.2
189.lucas	2	182	25.6	2	181	25.6
191.fma3d	2	184	26.4	2	184	26.4
200.sixtrack	2	146	17.5	2	145	17.5
301.apsi	2	212	28.4	2	212	28.4

Hardware

CPU:	Intel Xeon 3.8 (800 MHz system bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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 9.0 (20050624Z) for 32-bit applications Intel Fortran Compiler 9.0 (20050624Z) 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
  191.fma3d:    srcalt=windowsdp
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
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     basepeak=yes
189.lucas:    -fast
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi:     basepeak=yes
```