CFP2000 Result

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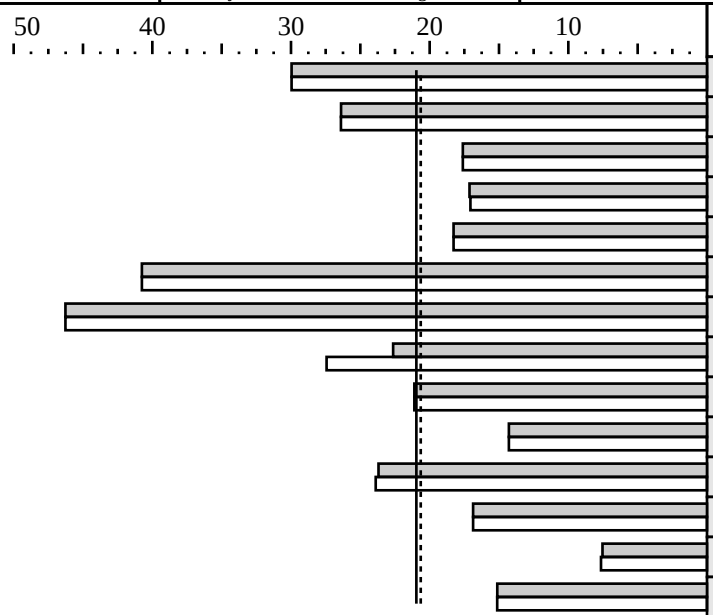
IBM

IBM eServer xSeries 346 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 21.0

SPECfp_rate_base2000 = 20.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	62.0	30.0	1	62.0	30.0
171.swim	1	136	26.4	1	136	26.4
172.mgrid	1	119	17.6	1	119	17.6
173.applu	1	142	17.1	1	143	17.1
177.mesa	1	88.9	18.3	1	88.9	18.3
178.galgel	1	82.5	40.8	1	82.5	40.8
179.art	1	65.2	46.3	1	65.2	46.3
183.equake	1	66.6	22.6	1	55.0	27.4
187.facerec	1	104	21.1	1	104	21.1
188.ammp	1	179	14.3	1	179	14.3
189.lucas	1	97.9	23.7	1	97.1	23.9
191.fma3d	1	144	16.9	1	144	16.9
200.sixtrack	1	169	7.54	1	167	7.64
301.apsi	1	199	15.1	1	199	15.1

Hardware

CPU:	Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz:	3600
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
```