CFP2000 Result

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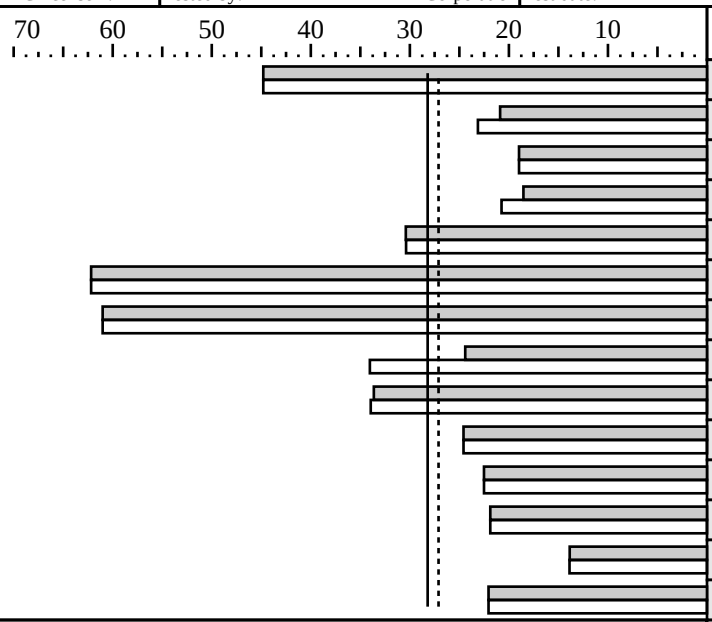
IBM Corporation

IBM eServer Bladecenter HS20 (3.0 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 28.2

SPECfp_rate_base2000 = 27.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	82.9	44.8	2	82.9	44.8
171.swim	2	344	20.9	2	311	23.1
172.mgrid	2	220	19.0	2	220	19.0
173.applu	2	263	18.5	2	235	20.7
177.mesa	2	107	30.4	2	107	30.4
178.galgel	2	108	62.2	2	108	62.2
179.art	2	98.9	61.0	2	98.9	61.0
183.equake	2	124	24.4	2	88.6	34.0
187.facerec	2	131	33.6	2	130	33.9
188.ammp	2	208	24.6	2	208	24.6
189.lucas	2	206	22.5	2	206	22.5
191.fma3d	2	223	21.9	2	223	21.9
200.sixtrack	2	184	13.9	2	184	13.9
301.apsi	2	273	22.1	2	273	22.1

Hardware

CPU:	Intel Xeon 3.0 (800 MHz system bus)
CPU MHz:	3000
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:	2048(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 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 (20051130Z) for 32-bit applications Intel Fortran Compiler 9.0 (20051120Z) 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
```