CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

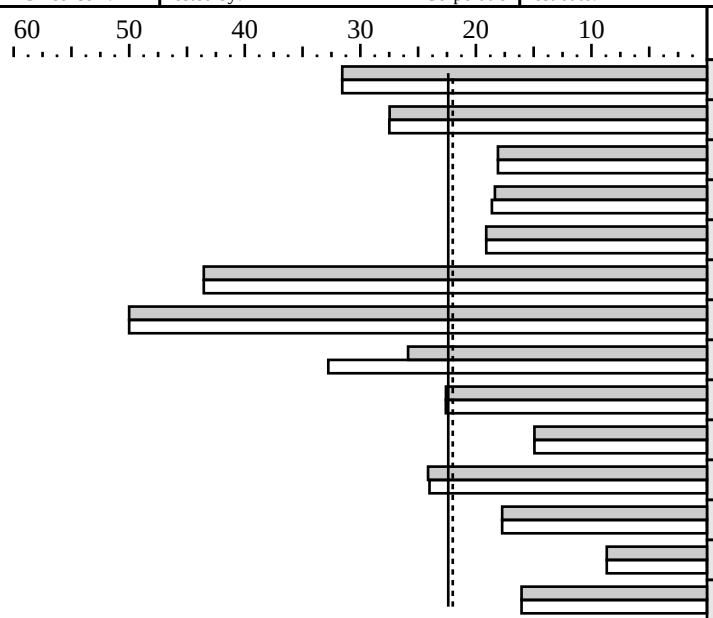
IBM Corporation

IBM eServer Bladecenter HS20 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 22.4

SPECfp_rate_base2000 = 22.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	58.8	31.6	1	58.8	31.6
171.swim	1	131	27.5	1	131	27.5
172.mgrid	1	115	18.1	1	115	18.1
173.applu	1	133	18.4	1	131	18.6
177.mesa	1	85.0	19.1	1	85.0	19.1
178.galgel	1	77.3	43.5	1	77.3	43.5
179.art	1	60.3	50.0	1	60.3	50.0
183.equake	1	58.3	25.9	1	46.0	32.8
187.facerec	1	97.6	22.6	1	97.5	22.6
188.ammp	1	171	14.9	1	171	14.9
189.lucas	1	96.1	24.1	1	96.6	24.0
191.fma3d	1	137	17.7	1	137	17.7
200.sixtrack	1	147	8.67	1	147	8.67
301.apsi	1	188	16.0	1	188	16.0

Hardware

CPU:	Intel Xeon 3.8 (800 MHz system bus)
CPU MHz:	3800
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:	4 x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem:	36GB 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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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
```