CFP2000 Result

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IBM Corporation

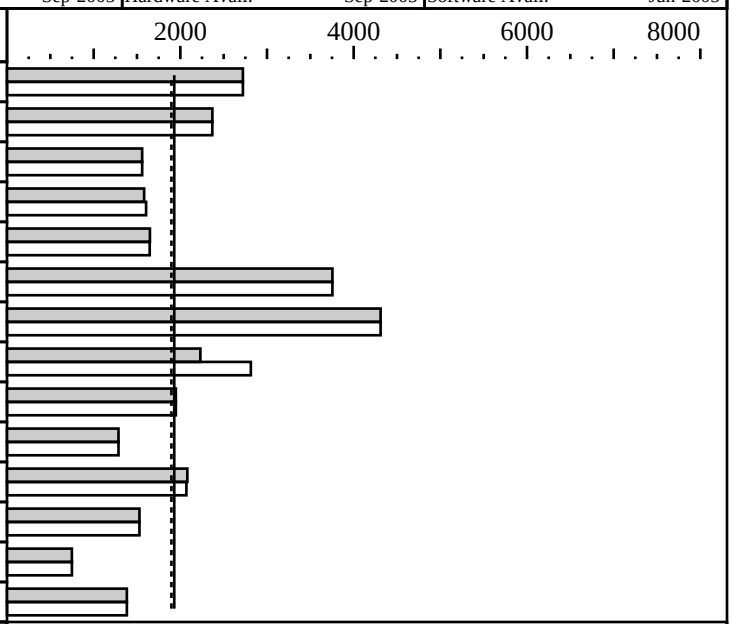
IBM eServer Bladecenter HS20 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp2000 = 1930

SPECfp_base2000 = 1897

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	58.8	2722	58.8	2722
171.swim	3100	131	2370	131	2369
172.mgrid	1800	115	1559	115	1559
173.applu	2100	133	1582	131	1605
177.mesa	1400	84.9	1649	85.0	1647
178.galgel	2900	77.2	3755	77.2	3755
179.art	2600	60.3	4311	60.3	4311
183.equake	1300	58.3	2231	46.2	2814
187.facerec	1900	97.5	1948	97.5	1948
188.ammp	2200	171	1287	171	1287
189.lucas	2000	96.1	2081	96.6	2070
191.fma3d	2100	137	1528	137	1528
200.sixtrack	1100	147	749	147	749
301.apsi	2600	188	1383	188	1383



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
```

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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
```