CFP2000 Result

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IBM

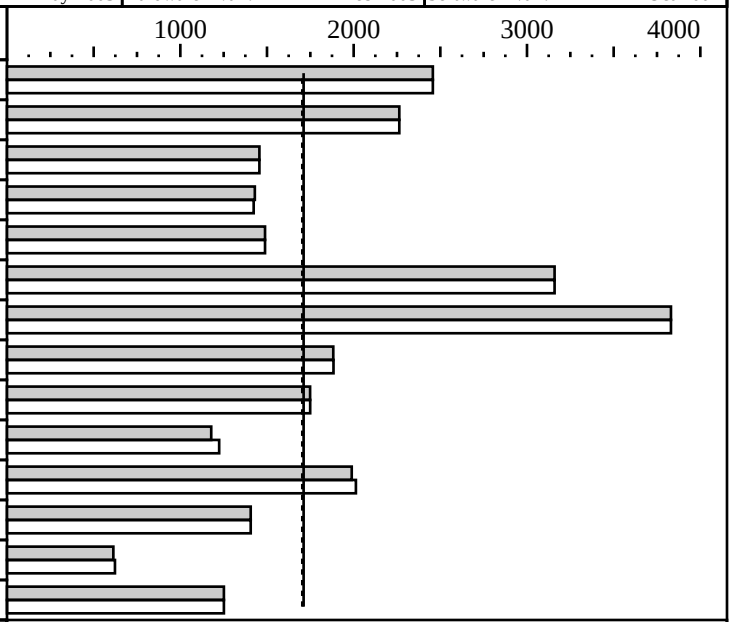
IBM eServer BladeCenter HS20 (3.4 GHz Intel Xeon)

SPECfp2000 = 1711

SPECfp_base2000 = 1704

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: May-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	65.1	2457	65.1	2457
171.swim	3100	137	2263	137	2263
172.mgrid	1800	124	1456	124	1456
173.applu	2100	147	1430	148	1423
177.mesa	1400	94.0	1489	94.0	1489
178.galgel	2900	91.8	3159	91.8	3159
179.art	2600	67.9	3831	67.9	3831
183.equake	1300	69.1	1882	69.0	1884
187.facerec	1900	109	1749	109	1749
188.ammp	2200	187	1178	180	1224
189.lucas	2000	101	1989	99.4	2013
191.fma3d	2100	149	1406	149	1406
200.sixtrack	1100	179	614	177	623
301.apsi	2600	208	1251	208	1251



Hardware

CPU:	Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz:	3400
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:	73GB SCSI 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 8.1 (20041019Z) Intel Fortran Compiler 8.1 (20040802Z) 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:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -fast -QxP -Qansi_alias -Qscalar_rep- -Qauto +FDO
  177.mesa:     basepeak=yes
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -QxP -Qansi_alias -Oa -Qrcd +FDO
  187.facerec:  -fast -QxP -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
188.ammp:     -Oa -QxP
189.lucas:    -fast -QxP
191.fma3d:    basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi:     basepeak=yes
```