CFP2000 Result

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IBM Corporation

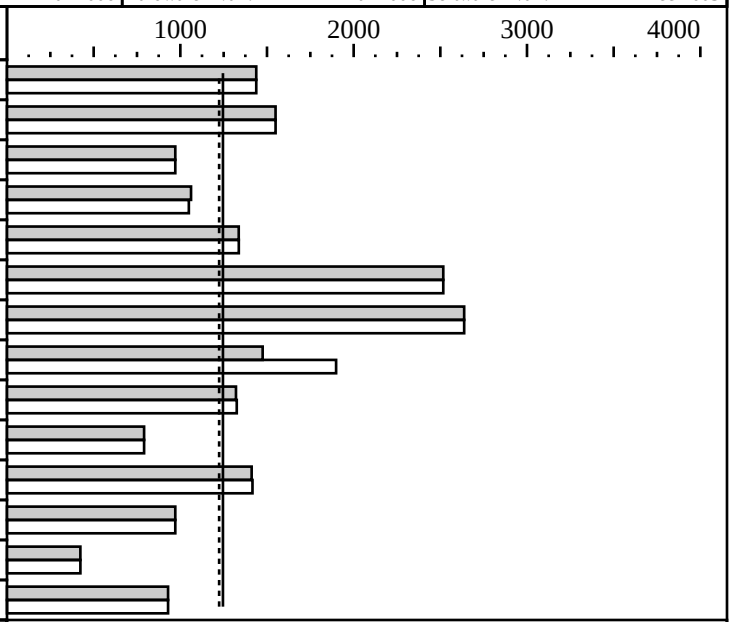
IBM eServer xSeries HS20 (1.67 GHz Xeon LV, 2MB L2 Shared Cache)

SPECfp2000 = 1246

SPECfp_base2000 = 1224

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	111	1438	111	1438
171.swim	3100	200	1549	200	1550
172.mgrid	1800	185	971	185	971
173.applu	2100	198	1062	200	1049
177.mesa	1400	105	1337	105	1337
178.galgel	2900	115	2517	115	2517
179.art	2600	98.6	2638	98.6	2638
183.equake	1300	88.1	1475	68.5	1899
187.facerec	1900	144	1321	143	1325
188.ammp	2200	278	791	278	791
189.lucas	2000	142	1411	141	1416
191.fma3d	2100	216	971	216	971
200.sixtrack	1100	260	423	260	423
301.apsi	2600	280	929	280	929



Hardware

CPU:	Dual-Core Intel Processor Xeon LV 1.67GHz (667 MHz system bus)
CPU MHz:	1667
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) shared by 2 cores
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 2048 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: -Qipo +FDO
301.apsi:     basepeak=yes
```