CFP2000 Result

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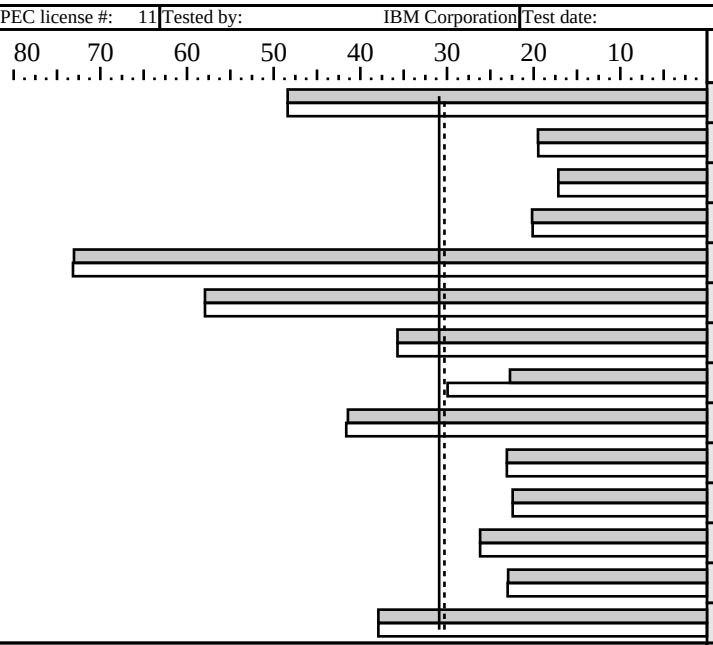
IBM Corporation

IBM eServer xSeries HS20 (2.0 GHz Xeon LV, 2MB L2 Shared Cache)

SPECfp_rate2000 = 30.9

SPECfp_rate_base2000 = 30.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	153	48.4	4	153	48.4
171.swim	4	737	19.5	4	739	19.5
172.mgrid	4	487	17.2	4	487	17.2
173.applu	4	483	20.2	4	484	20.1
177.mesa	4	88.9	73.0	4	88.8	73.2
178.galgel	4	232	57.9	4	232	57.9
179.art	4	338	35.7	4	338	35.7
183.equake	4	265	22.7	4	202	29.9
187.facerec	4	213	41.4	4	212	41.6
188.ammp	4	442	23.1	4	442	23.1
189.lucas	4	414	22.4	4	414	22.4
191.fma3d	4	372	26.2	4	372	26.2
200.sixtrack	4	222	22.9	4	222	23.0
301.apsi	4	318	37.9	4	318	37.9

Hardware

CPU:	Dual-Core Intel Processor Xeon LV 2.0GHz (667 MHz system bus)
CPU MHz:	2000
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
```