# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## IBM Corporation

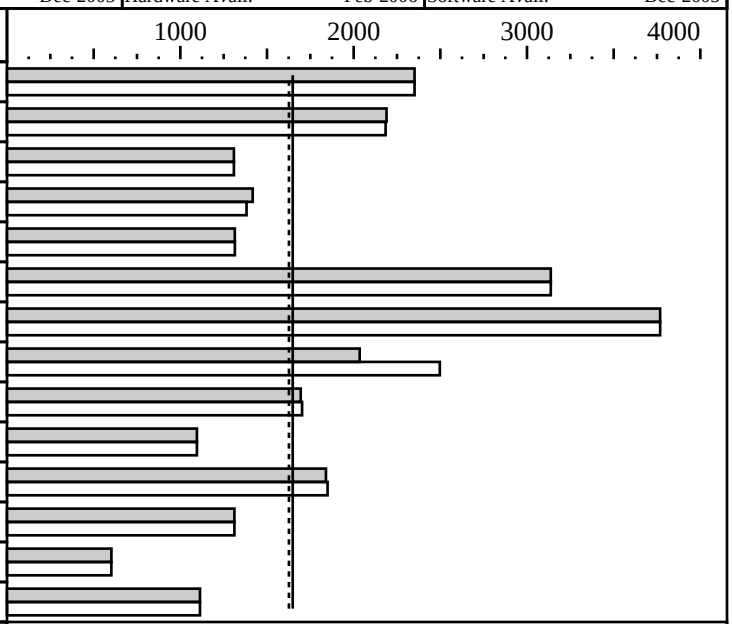
IBM eServer Bladecenter HS20 (3.0 GHz Xeon, 2MB L2 Cache)

SPECfp2000 = 1648

SPECfp_base2000 = 1627

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 68.0 | 2351 | 68.0 | 2351 |
| 171.swim | 3100 | 142 | 2190 | 142 | 2184 |
| 172.mgrid | 1800 | 138 | 1309 | 138 | 1309 |
| 173.applu | 2100 | 148 | 1417 | 152 | 1382 |
| 177.mesa | 1400 | 107 | 1314 | 107 | 1315 |
| 178.galgel | 2900 | 92.4 | 3137 | 92.4 | 3137 |
| 179.art | 2600 | 69.0 | 3768 | 69.0 | 3768 |
| 183.equake | 1300 | 63.9 | 2035 | 52.1 | 2497 |
| 187.facerec | 1900 | 112 | 1695 | 112 | 1702 |
| 188.ammp | 2200 | 201 | 1096 | 201 | 1096 |
| 189.lucas | 2000 | 109 | 1840 | 108 | 1849 |
| 191.fma3d | 2100 | 160 | 1312 | 160 | 1312 |
| 200.sixtrack | 1100 | 183 | 602 | 183 | 602 |
| 301.apsi | 2600 | 234 | 1113 | 234 | 1113 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon 3.0 (800 MHz system bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 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: | 2048(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4 x 1024 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<br>Intel Fortran Compiler 9.0 (20051120Z) for 32-bit applications<br>Microsoft Visual Studio .NET 13.0.9466 (for libraries)<br>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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation



## Notes/Tuning Information (Continued)

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