# CFP2000 Result

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## IBM Corporation

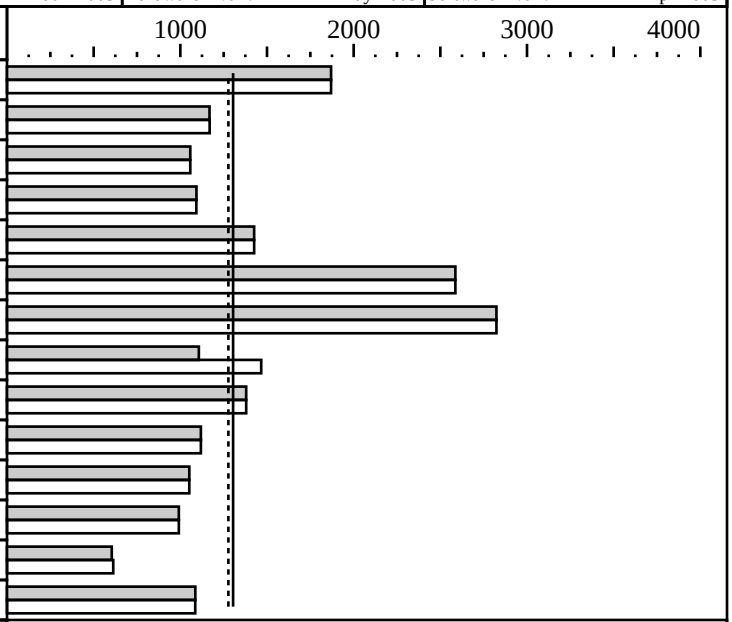
IBM eServer xSeries 460 (3.33 GHz Intel Xeon MP)

SPECfp2000 = 1304

SPECfp_base2000 = 1277

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 85.6 | 1870 | 85.6 | 1870 |
| 171.swim | 3100 | 265 | 1168 | 265 | 1169 |
| 172.mgrid | 1800 | 170 | 1057 | 170 | 1057 |
| 173.applu | 2100 | 192 | 1093 | 192 | 1092 |
| 177.mesa | 1400 | 98.2 | 1426 | 98.2 | 1426 |
| 178.galgel | 2900 | 112 | 2587 | 112 | 2587 |
| 179.art | 2600 | 92.1 | 2824 | 92.1 | 2824 |
| 183.equake | 1300 | 117 | 1107 | 88.6 | 1467 |
| 187.facerec | 1900 | 138 | 1380 | 138 | 1380 |
| 188.ammp | 2200 | 197 | 1119 | 197 | 1119 |
| 189.lucas | 2000 | 190 | 1052 | 190 | 1052 |
| 191.fma3d | 2100 | 212 | 991 | 212 | 991 |
| 200.sixtrack | 1100 | 182 | 604 | 179 | 613 |
| 301.apsi | 2600 | 239 | 1086 | 239 | 1086 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon MP (3.33 GHz Xeon, 1MB L2 Cache, 8MB L3 Cache, 667 MHz system bus) |
| CPU MHz: | 3333 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 16KB(D) on chip |
| Secondary Cache: | 1024KB(I+D) on chip |
| L3 Cache: | 8192KB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 8 x 2048 MB ECC DDR2 Dual Rank |
| Disk Subsystem: | 36GB SAS 10k RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Standard Edition |
| Compiler: | Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications<br>Intel Fortran Compiler 8.1 (20050405Z) 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
 191.fma3d:    srcalt=windowsdp
BASE TUNING
  C/F77/F90:    -fast -QxP -Qansi_alias     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     -fast -QxP -f77rtl +FDO
  172.mgrid:    basepeak=yes
  173.applu:    -fast -QxP -Qscalar_rep- -Qauto -f77rtl +FDO
  177.mesa:     basepeak=yes
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -QxP -Oa -Qrcd +FDO shlW32M.lib
```

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## Notes/Tuning Information (Continued)

```
187.facerec:  basepeak=yes
188.ammp:     basepeak=yes
189.lucas:    -fast -QxP
191.fma3d:    basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi:     -fast -QxP -f77rtl +FDO
```