CFP2000 Result

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IBM Corporation

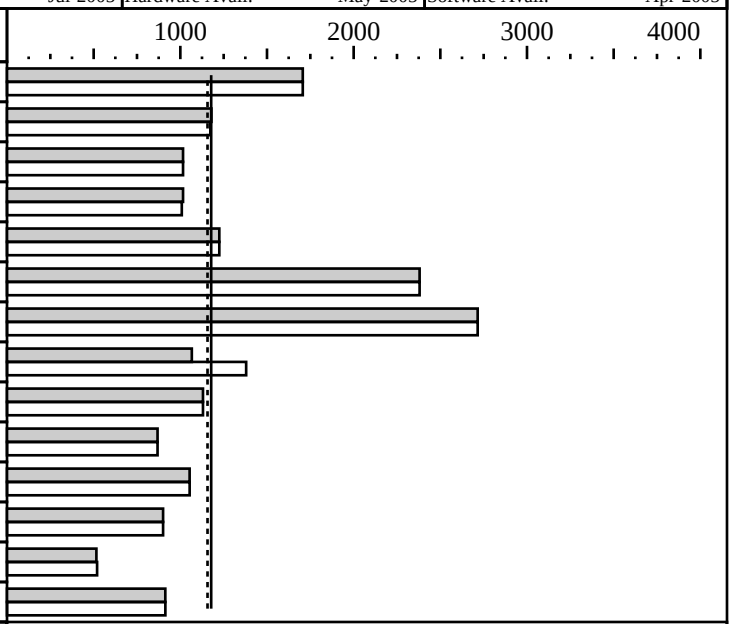
IBM eServer xSeries 460 (2.83 GHz Intel Xeon MP)

SPECfp2000 = 1178

SPECfp_base2000 = 1157

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	93.8	1706	93.8	1706
171.swim	3100	263	1179	264	1173
172.mgrid	1800	177	1016	177	1016
173.applu	2100	207	1016	208	1008
177.mesa	1400	114	1225	114	1225
178.galgel	2900	122	2380	122	2380
179.art	2600	95.8	2715	95.8	2715
183.equake	1300	122	1066	94.2	1380
187.facerec	1900	168	1131	168	1131
188.ammp	2200	253	869	253	869
189.lucas	2000	190	1054	190	1054
191.fma3d	2100	233	901	233	901
200.sixtrack	1100	213	516	212	520
301.apsi	2600	285	913	285	914



Hardware

CPU:	Intel Xeon MP (2.83 GHz Xeon, 1MB L2 Cache, 8MB L3 Cache, 667 MHz system bus)
CPU MHz:	2833
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 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 Intel Fortran Compiler 8.1 (20050405Z) 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
 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 -Qansi_alias -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
```