CFP2000 Result

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IBM Corporation

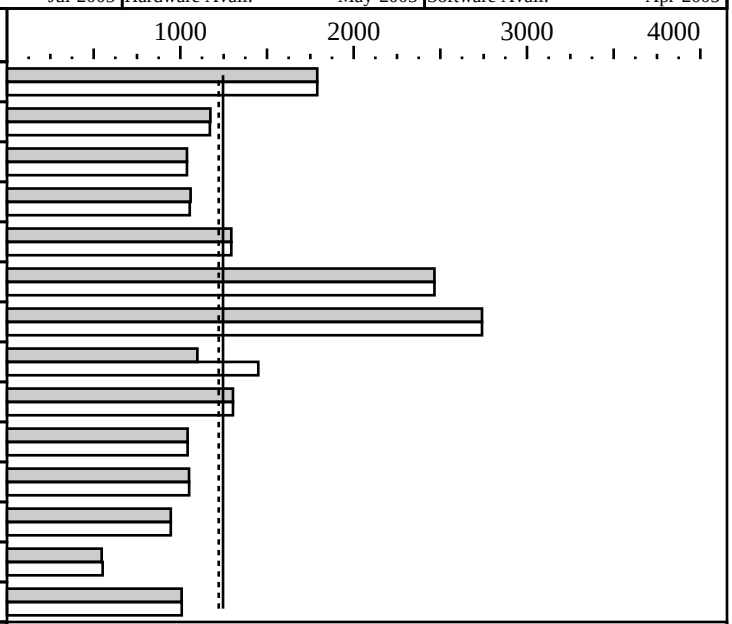
IBM eServer xSeries 460 (3.0 GHz Intel Xeon MP)

SPECfp2000 = 1246

SPECfp_base2000 = 1221

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	89.4	1790	89.4	1790
171.swim	3100	264	1173	265	1171
172.mgrid	1800	173	1038	173	1038
173.applu	2100	198	1059	199	1054
177.mesa	1400	108	1294	108	1294
178.galgel	2900	118	2466	118	2466
179.art	2600	94.9	2740	94.9	2740
183.equake	1300	118	1098	89.7	1450
187.facerec	1900	146	1304	146	1304
188.ammp	2200	211	1042	211	1042
189.lucas	2000	190	1050	190	1051
191.fma3d	2100	222	945	222	945
200.sixtrack	1100	201	546	199	552
301.apsi	2600	258	1007	258	1008



Hardware

CPU:	Intel Xeon MP (3.0 GHz Xeon, 1MB L2 Cache, 8MB L3 Cache, 667 MHz system bus)
CPU MHz:	3000
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
```