CFP2000 Result

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IBM Corporation

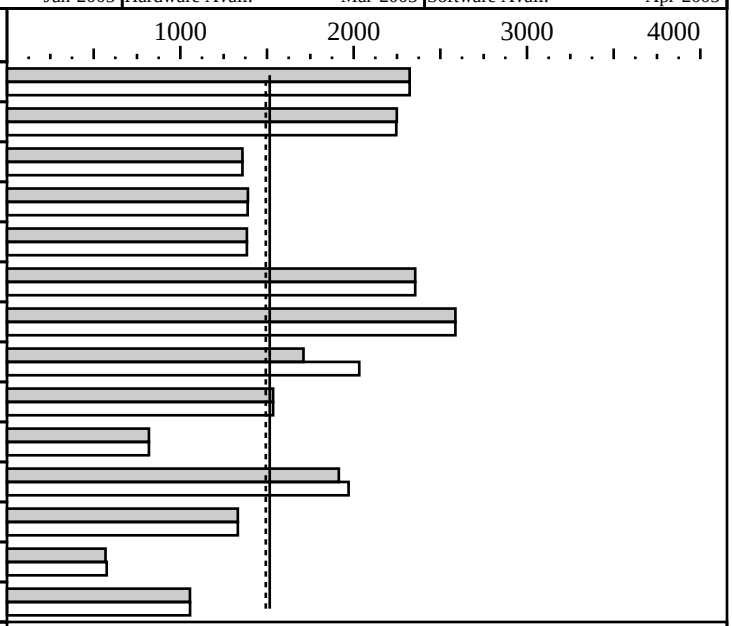
IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECfp2000 = 1516

SPECfp_base2000 = 1493

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	68.9	2323	68.9	2323
171.swim	3100	138	2249	138	2246
172.mgrid	1800	133	1358	133	1358
173.applu	2100	151	1390	151	1388
177.mesa	1400	101	1384	101	1384
178.galgel	2900	123	2355	123	2355
179.art	2600	101	2587	101	2587
183.equake	1300	76.0	1711	64.0	2032
187.facerec	1900	124	1535	124	1535
188.ammp	2200	269	819	269	819
189.lucas	2000	104	1914	101	1971
191.fma3d	2100	158	1332	158	1332
200.sixtrack	1100	194	568	191	575
301.apsi	2600	246	1056	246	1056



Hardware

CPU:	Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
CPU MHz:	3167
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:	N/A
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 -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
```