CFP2000 Result

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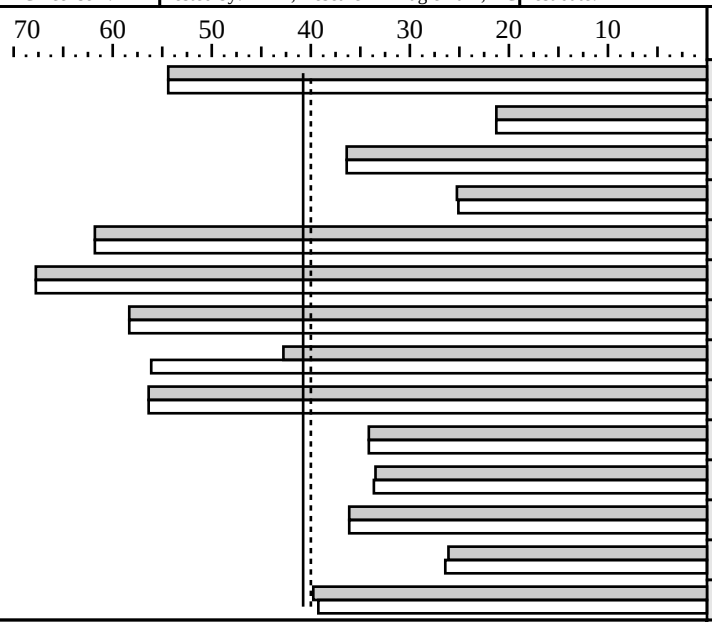
IBM Corporation

IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECfp_rate2000 = 40.8

SPECfp_rate_base2000 = 40.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	136	54.4	4	136	54.4
171.swim	4	676	21.3	4	676	21.3
172.mgrid	4	230	36.4	4	230	36.4
173.applu	4	386	25.2	4	388	25.1
177.mesa	4	105	61.8	4	105	61.8
178.galgel	4	199	67.8	4	199	67.8
179.art	4	207	58.3	4	207	58.3
183.equake	4	141	42.8	4	108	56.1
187.facerec	4	156	56.4	4	156	56.4
188.ammp	4	299	34.1	4	299	34.1
189.lucas	4	277	33.5	4	276	33.6
191.fma3d	4	270	36.1	4	270	36.1
200.sixtrack	4	196	26.1	4	193	26.4
301.apsi	4	304	39.7	4	307	39.2

Hardware

CPU:	Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
CPU MHz:	3167
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,4
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=windowsdph
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
```