CFP2000 Result

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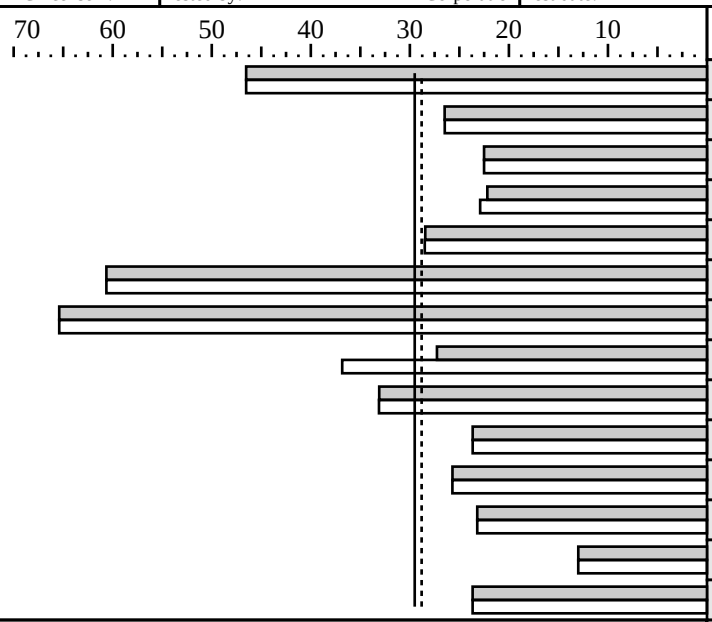
IBM Corporation

IBM eServer xSeries 236 (2.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 29.5

SPECfp_rate_base2000 = 28.8

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jul-2005 | Hardware Avail: Sep-2005 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	79.8	46.5	2	79.8	46.5
171.swim	2	272	26.5	2	272	26.5
172.mgrid	2	186	22.5	2	186	22.5
173.applu	2	220	22.2	2	213	22.9
177.mesa	2	114	28.4	2	114	28.5
178.galgel	2	111	60.6	2	111	60.6
179.art	2	92.2	65.4	2	92.2	65.4
183.equake	2	111	27.3	2	81.9	36.8
187.facerec	2	133	33.1	2	133	33.1
188.ammp	2	216	23.7	2	216	23.7
189.lucas	2	181	25.7	2	181	25.7
191.fma3d	2	210	23.2	2	210	23.2
200.sixtrack	2	196	13.0	2	196	13.0
301.apsi	2	255	23.7	2	255	23.7

Hardware

CPU:	Intel Xeon 2.8 (800 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 2048 MB ECC PC2-3200 Single Rank
Disk Subsystem:	73GB SCSI 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications Intel Fortran Compiler 9.0 (20050624Z) 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 -Qansi_alias     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     -fast -f77rtl +FDO
  172.mgrid:    basepeak=yes
  173.applu:    -fast -Qscalar_rep- -Qauto -f77rtl +FDO
  177.mesa:     -fast +FDO
  178.galgel:      basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -Oa -Qrcd +FDO shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     basepeak=yes
189.lucas:    -fast
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi:     basepeak=yes
```