CFP2000 Result

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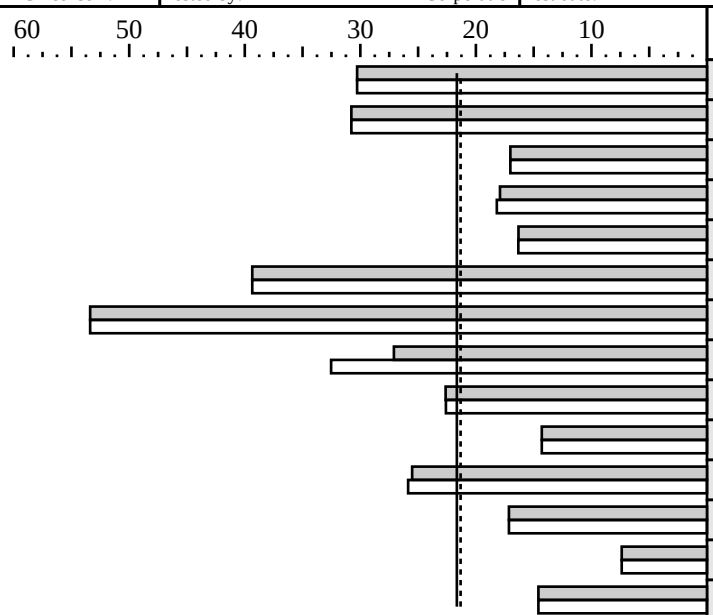
IBM Corporation

IBM eServer xSeries 306m (3.2 GHz Pentium 4 640, 2MB L2 Cache)

SPECfp_rate2000 = 21.6

SPECfp_rate_base2000 = 21.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	61.3	30.3	1	61.3	30.3
171.swim	1	117	30.8	1	117	30.8
172.mgrid	1	123	17.0	1	123	17.0
173.applu	1	136	17.9	1	134	18.2
177.mesa	1	99.5	16.3	1	99.5	16.3
178.galgel	1	85.5	39.4	1	85.5	39.4
179.art	1	56.5	53.4	1	56.5	53.4
183.equake	1	55.7	27.1	1	46.4	32.5
187.facerec	1	97.4	22.6	1	97.5	22.6
188.ammp	1	179	14.3	1	179	14.3
189.lucas	1	90.9	25.5	1	89.7	25.9
191.fma3d	1	142	17.1	1	142	17.1
200.sixtrack	1	173	7.38	1	173	7.38
301.apsi	1	207	14.6	1	207	14.6

Hardware

CPU:	Intel Pentium 4 640(800 MHz system bus)
CPU MHz:	3200
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 MB ECC PC2-3200 Single Rank
Disk Subsystem:	75GB SATA 7.2K 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
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
  187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

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