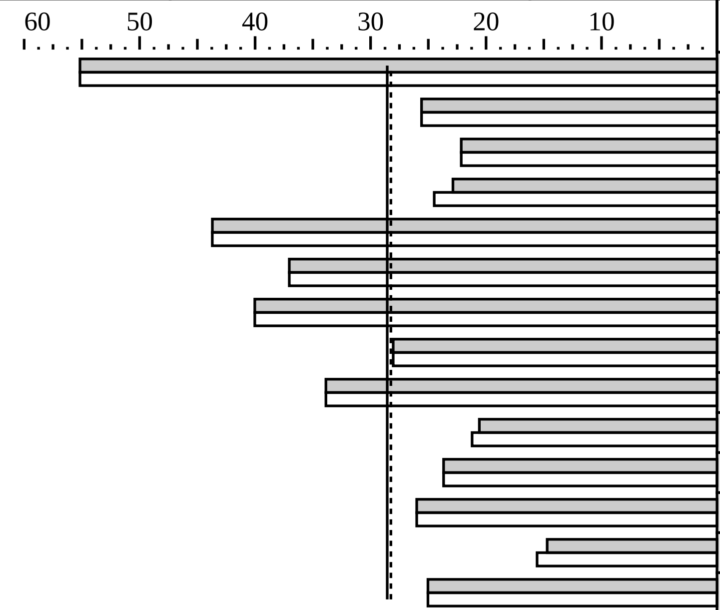
CFP2000 Result

IBM Corporation
IBM xSeries 336 (3.6GHz Xeon)

SPECfp_rate2000 = 28.6
SPECfp_rate_base2000 = 28.2

SPEC license #: 11	Tested by: IBM Corporation	Test date: Sep-2004	Hardware Avail: Aug-2004	Software Avail: Sep-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	67.3	55.2	2	67.3	55.2
171.swim	2	281	25.6	2	281	25.6
172.mgrid	2	189	22.1	2	189	22.1
173.applu	2	213	22.9	2	199	24.5
177.mesa	2	74.3	43.7	2	74.3	43.7
178.galgel	2	182	37.0	2	182	37.0
179.art	2	151	40.0	2	151	40.0
183.equake	2	108	28.0	2	108	28.0
187.facerec	2	130	33.9	2	130	33.9
188.ammp	2	248	20.6	2	241	21.2
189.lucas	2	196	23.7	2	196	23.7
191.fma3d	2	187	26.0	2	187	26.0
200.sixtrack	2	174	14.7	2	164	15.6
301.apsi	2	241	25.0	2	241	25.0

Hardware

CPU:	Intel Xeon processor, 800MHz FSB
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HyperThreading Disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	8GB (8x1024GB DDR-II 400 DIMMs)
Disk Subsystem:	1 x 72GB SCSI
Other Hardware:	None

Software

Operating System:	SUSE Linux SLES 9 (64-bit), kernel 2.6.5-7.97-smp
Compiler:	Intel(R) C Compiler for Intel(R) EM64T-based applications Version 8.1 Build 20040708 Intel(R) Fortran Compiler for Intel(R) EM64T-based applications Version 8.1 Build 20040708
File System:	Reiserfs
System State:	Multi-user, run level 3

Notes/Tuning Information

```
Portability Flags:
  178.galgel:  -FI
Base Tuning for C and Fortran Programs:
  -xP -fast -ansi_alias +FDO
  +FDO for C and Fortran programs:
    PASS1=-prof_gen
    PASS2=-prof_use
Peak Tuning:
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -xP -fast -scalar_rep- -auto  +FDO
  177.mesa:     -xP -fast -alias_args -scalar_rep- +FDO
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   basepeak=yes
  187.facerec:  basepeak=yes
```

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Notes/Tuning Information (Continued)

```
      188.ammp:     -xP -alias_args
      189.lucas:    basepeak=yes
      191.fma3d:    basepeak=yes
      200.sixtrack: -xP -ipo +FDO
      301.apsi:     basepeak=yes
    BIOS Information:
      Version 1.00
      Date 08/31/04
      Build Level APE115AUS
      HyperThreading Disabled
```