CFP2000 Result

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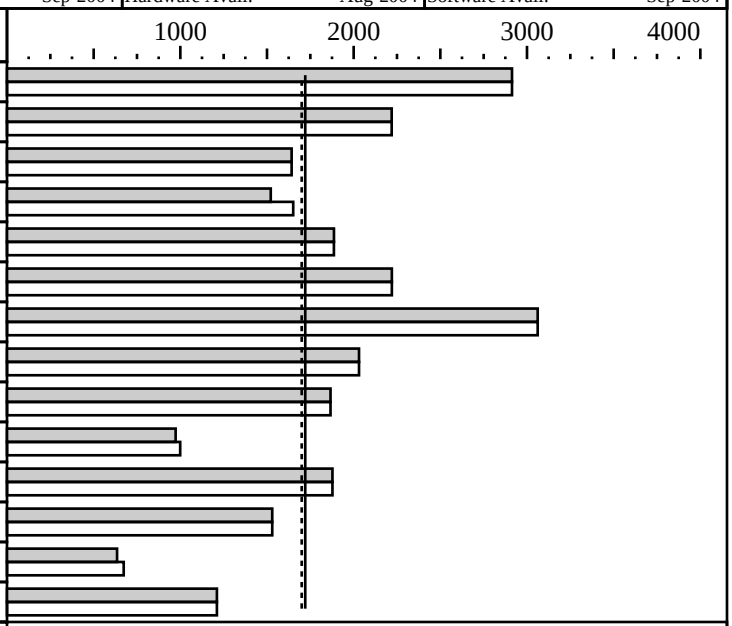
IBM Corporation
IBM xSeries 336 (3.6GHz Xeon)

SPECfp2000 = 1721

SPECfp_base2000 = 1700

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	54.9	2913	54.9	2913
171.swim	3100	140	2219	140	2219
172.mgrid	1800	110	1642	110	1642
173.applu	2100	138	1522	127	1651
177.mesa	1400	74.2	1886	74.2	1886
178.galgel	2900	131	2220	131	2220
179.art	2600	84.9	3062	84.9	3062
183.equake	1300	64.0	2031	64.0	2031
187.facerec	1900	102	1866	102	1866
188.ammp	2200	226	973	220	999
189.lucas	2000	107	1878	107	1878
191.fma3d	2100	137	1530	137	1530
200.sixtrack	1100	173	635	163	673
301.apsi	2600	215	1211	215	1211



Hardware

CPU:	Intel Xeon processor, 800MHz FSB
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
```