CFP2000 Result

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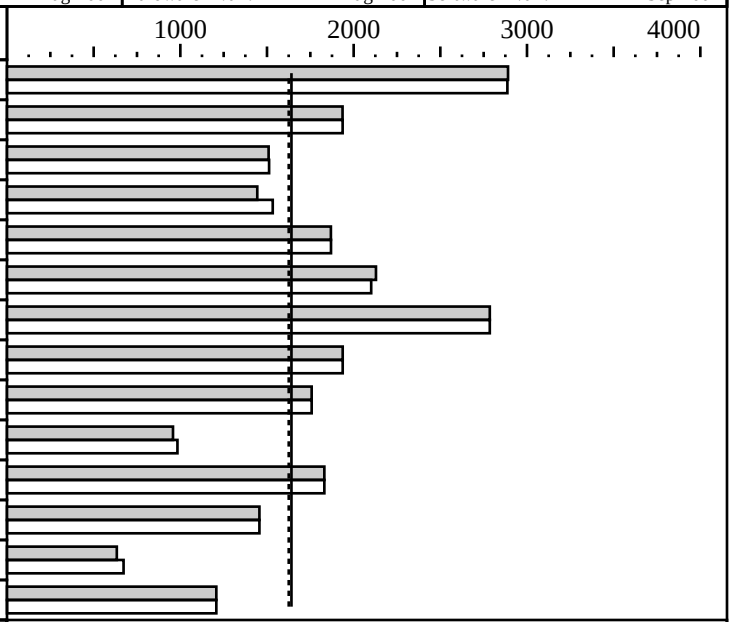
IBM Corporation
IBM xSeries 336 (3.6GHz Xeon)

SPECfp2000 = 1641

SPECfp_base2000 = 1625

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	55.4	2891	55.4	2887
171.swim	3100	160	1936	160	1936
172.mgrid	1800	119	1509	119	1512
173.applu	2100	145	1444	137	1533
177.mesa	1400	74.9	1869	74.9	1869
178.galgel	2900	136	2129	138	2101
179.art	2600	93.3	2785	93.3	2785
183.equake	1300	67.1	1937	67.1	1937
187.facerec	1900	108	1758	108	1758
188.ammp	2200	230	958	224	983
189.lucas	2000	109	1831	109	1831
191.fma3d	2100	144	1456	144	1456
200.sixtrack	1100	174	634	164	672
301.apsi	2600	215	1208	215	1208



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:	4GB (8x512MB 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 (-xP not used to enable cross-compilation)
    PASS2=-prof_use
Peak Tuning:
  168.wupwise:  -xP -fast -ansi_alias +FDO
  171.swim:     -xP -fast -ansi_alias +FDO
  172.mgrid:    -xP -fast -ansi_alias +FDO
  173.applu:    -xP -fast -scalar_rep- -auto  +FDO
  177.mesa:     -xP -fast -alias_args -scalar_rep- +FDO
  178.galgel:   -xP -fast -ansi_alias +FDO
  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
```