CFP2000 Result

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IBM Corporation

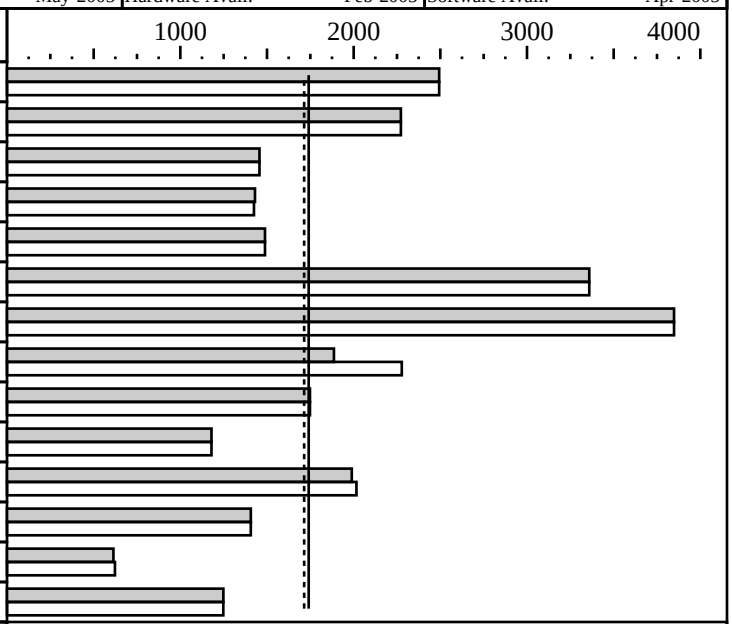
IBM eServer xSeries 336 (3.4 GHz Intel Xeon)

SPECfp2000 = 1741

SPECfp_base2000 = 1714

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: May-2005 | Hardware Avail: Feb-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	64.2	2493	64.2	2493
171.swim	3100	136	2272	136	2272
172.mgrid	1800	124	1457	124	1457
173.applu	2100	147	1431	147	1425
177.mesa	1400	94.1	1488	94.1	1488
178.galgel	2900	86.3	3359	86.3	3359
179.art	2600	67.6	3848	67.6	3848
183.equake	1300	68.9	1886	57.1	2278
187.facerec	1900	109	1748	109	1748
188.ammp	2200	186	1180	186	1180
189.lucas	2000	101	1989	99.2	2016
191.fma3d	2100	149	1407	149	1407
200.sixtrack	1100	179	614	177	623
301.apsi	2600	208	1248	208	1248



Hardware

CPU:	Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
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:	8 x 512 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 8.1 (20050409) Intel Fortran Compiler 8.1 (20050405Z) 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 -QxP -Qansi_alias     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     -fast -QxP -f77rtl +FDO
  172.mgrid:    basepeak=yes
  173.applu:    -fast -QxP -Qscalar_rep- -Qauto -f77rtl +FDO
  177.mesa:     basepeak=yes
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -QxP -Qansi_alias -Oa -Qrcd +FDO shlW32M.lib
  187.facerec:  basepeak=yes
```

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Notes/Tuning Information (Continued)

```
188.ammp:     basepeak=yes
189.lucas:    -fast -QxP
191.fma3d:    basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi:     -fast -QxP -f77rtl +FDO
```