CFP2000 Result

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IBM Corporation

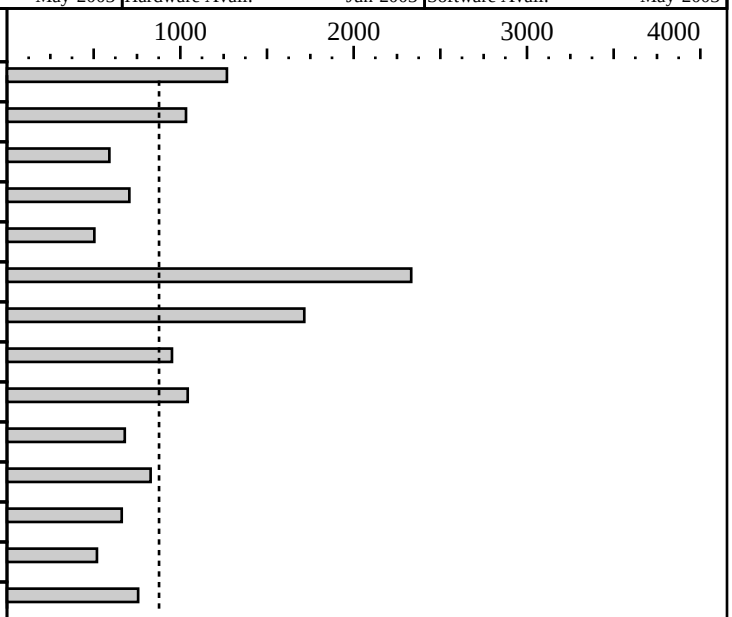
IBM eServer pSeries 615 Model 6E3 (1200 Mhz, 1 CPU)

SPECfp2000 = --

SPECfp_base2000 = 877

SPEC license #: 11 | Tested by: IBM, Austin, Tx | Test date: May-2003 | Hardware Avail: Jun-2003 | Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	126	1269		
171.swim	3100	300	1033		
172.mgrid	1800	305	591		
173.applu	2100	298	706		
177.mesa	1400	278	504		
178.galgel	2900	124	2332		
179.art	2600	152	1715		
183.equake	1300	137	952		
187.facerec	1900	182	1043		
188.ammp	2200	324	679		
189.lucas	2000	241	829		
191.fma3d	2100	317	662		
200.sixtrack	1100	212	519		
301.apsi	2600	344	757		



Hardware

CPU:	POWER4+
CPU MHz:	1200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip, 1 processor chip/DCM
CPU(s) orderable:	1,2 (order by # cores)
Parallel:	No
Primary Cache:	64KBI+32KBD (on chip) per core
Secondary Cache:	1536KB unified (on chip) per chip
L3 Cache:	8MB unified (off-chip) per DCM, 1 DCM in SUT
Other Cache:	None
Memory:	8 GB
Disk Subsystem:	1x36GB Ultra3 SCSI 10K RPM
Other Hardware:	None

Software

Operating System:	SLES 8 Service Release 1 for pSeries w/2.4.19 kernel
Compiler:	IBM VisualAge C++ Version 6.0 for Linux on pSeries IBM XL Fortran Version 8.1 for Linux on pSeries
File System:	ext2
System State:	Multi-user

Notes/Tuning Information

```
cfg file:  ppc32-linux-ibm-ref-o5.cfg

Compiled 32-bit applications

CC  = /opt/ibmcmp/vac/6.0/bin/xlc
CXX = /opt/ibmcmp/vacpp/6.0/bin/xlC
FC  = /opt/ibmcmp/xlf/8.1/bin/xlf90
F77 = /opt/ibmcmp/xlf/8.1/bin/xlf90

DCM: Acronym for "Dual-chip module"
SUT: Acronym for "System under test"

IBM eServer pSeries 615 Model 6C3 (rack-mount server) and pSeries
615 Model 6E3 (deskside server) are electronically equivalent.
1 processor was deconfigured through the configuration menu.
```

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Notes/Tuning Information (Continued)

```
SLES: SuSE Linux Enterprise Server
Floating point optimization flags
   FP: -O5

Floating point portability flags
   wupwise: -qfixed
   swim: -qfixed
   mgrid: -qfixed
   applu: -qfixed
   mesa: none
   galgel: -qfixed -qsuffix=f=f90
   facerec: -qsuffix=f=f90
   lucas: -qsuffix=f=f90
   fma3d: -qsuffix=f=f90
   sixtrack: -qfixed
   apsi: -qfixed
```