CFP2000 Result

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IBM Corporation

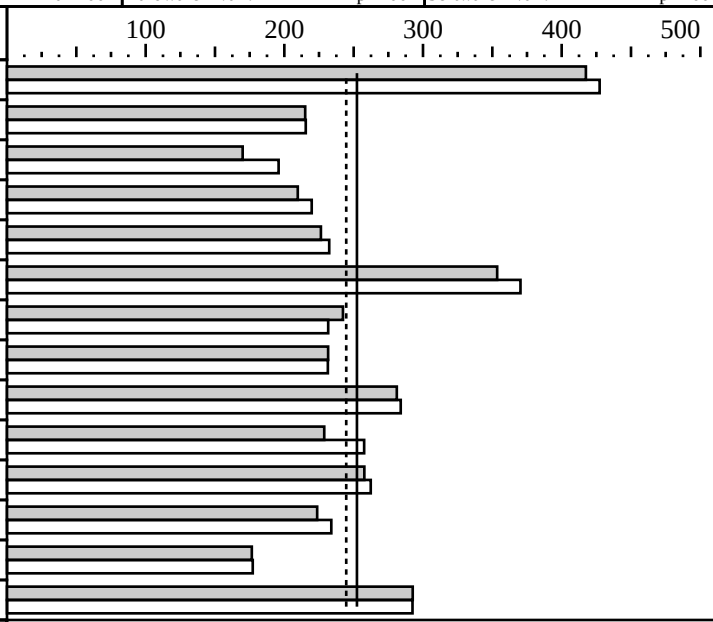
IBM eServer pSeries 660 Model 6H1 (600 MHz, 2MB L2)

SPECfp2000 = 252

SPECfp_base2000 = 245

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: Mar-2001 | Hardware Avail: Apr-2001 | Software Avail: Apr-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	383	417	374	427
171.swim	3100	1442	215	1439	215
172.mgrid	1800	1059	170	919	196
173.applu	2100	1001	210	956	220
177.mesa	1400	618	226	602	232
178.galgel	2900	820	353	783	370
179.art	2600	1073	242	1122	232
183.equake	1300	561	232	562	231
187.facerec	1900	676	281	669	284
188.ammp	2200	962	229	854	258
189.lucas	2000	776	258	762	262
191.fma3d	2100	939	224	898	234
200.sixtrack	1100	623	177	621	177
301.apsi	2600	889	293	889	292



Hardware

CPU:	RS64 IV
CPU MHz:	600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	2MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x9.1GB SCSI
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.3
Compiler:	Fortran 77 and 90: IBM xl Fortran 7.1 invoked as 'xlf90'; C: IBM VAC++ 5.0.1 invoked as 'xlc'
File System:	AIX/JFS
System State:	Multi-user

Notes/Tuning Information

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Portability Flags
  -qfixed used in: wupwise, swim, mgrid, applu, galgel, sixtrack, apsi
  -qsuffix=f=f90 used in: galgel, facerec, lucas, fma3d
Base Flags:
  Fortran: -O5 -lmass
  C: -O5 -lmass
Peak Flags:
   168.wupwise: -qpdf1/pdf2 -O4 -qipa=level=2 -lmass, fdpr -v -R3
   171.swim:    -qpdf1/pdf2 -O4 -qipa=level=2 -lmass -qhot, fdpr -v -R3
   172.mgrid:   -O4 -qarch=pwr3
   173.applu:   -O3
   177.mesa:    -qpdf1/pdf2 -O3 -qarch=rs64c    -L/usr/vac/lib, fdpr -v -R3
   178.galgel:  -qpdf1/pdf2 -O3 -lmass, fdpr -v -R3
   179.art:     -O5 -lmass
   183.equake:  -O5 -lmass
   187.facerec: -O5 -lmass
   188.ammp:    -qpdf1/pdf2 -O3 -lhmu -lmass  -L/usr/vac/lib, fdpr -v -R3
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Notes/Tuning Information (Continued)

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189.lucas:   -qpdf1/pdf2 -O3 -qarch=rs64b -lmass, fdpr -v -R3
191.fma3d:   -qpdf1/pdf2 -O3 -lmass
200.sixtrack:-O3  -qarch=rs64c
301.apsi:    -O5 -lmass
Tests were run with APAR IY 17356 applied to AIX 4.3.3 to enable new hardware support.
fdpr: Feedback directed program restructuring tool
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