CFP2000 Result

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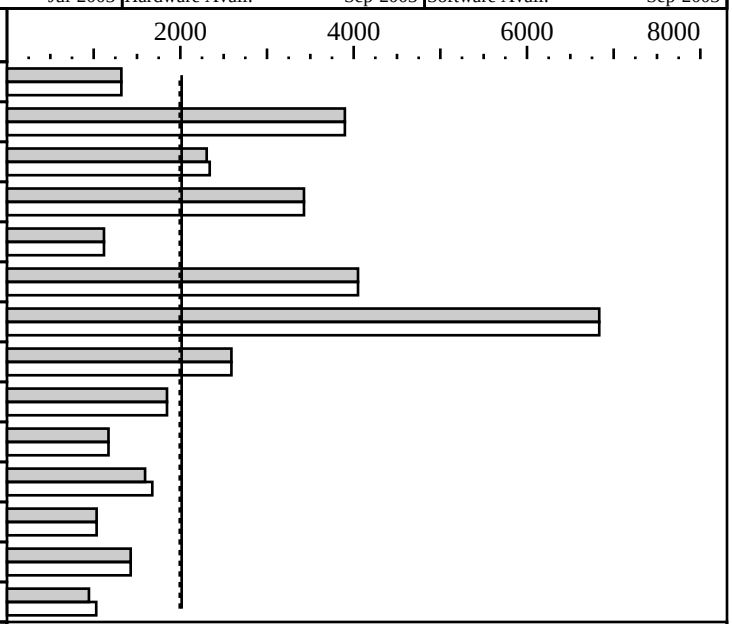
Bull
NovaScale 4040 (1500MHz)

SPECfp2000 = 2015

SPECfp_base2000 = 1994

SPEC license #: 20 | Tested by: JFL | Test date: Jul-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	121	1320	121	1320
171.swim	3100	79.5	3898	79.5	3898
172.mgrid	1800	78.1	2304	77.0	2339
173.applu	2100	61.3	3427	61.3	3427
177.mesa	1400	125	1119	125	1119
178.galgel	2900	71.6	4050	71.6	4050
179.art	2600	38.0	6834	38.0	6834
183.equake	1300	50.2	2589	50.2	2589
187.facerec	1900	103	1846	103	1846
188.ammp	2200	188	1171	188	1171
189.lucas	2000	126	1593	119	1676
191.fma3d	2100	203	1034	203	1034
200.sixtrack	1100	77.1	1427	77.1	1427
301.apsi	2600	275	945	253	1030



Hardware

CPU:	Itanium 2 processor 1500 MHz
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	6MB (I+D) on chip
Other Cache:	N/A
Memory:	4 GB (16 * 256 MB DIMMs)
Disk Subsystem:	1 Maxtor 10krpm 36GB SCSI
Other Hardware:	

Software

Operating System:	Linux 64bit: Red Hat Advanced Server 2.1
Compiler:	Intel(R) Fortran Compiler for Linux 7.1 (Build 20030605) Intel(R) C++ Compiler for Linux 7.1 (Build 20030605)
File System:	ext2
System State:	Single User

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -ipo -O3 +FDO -ansi_alias
  Fortran programs: -ipo -O3 +FDO

Portability Flags:
  178.galgel:  -FI

Peak optimization flags:
  168.wupwise: basepeak=yes
  171.swim: basepeak=yes
  172.mgrid: -O3 -ipo
  173.applu: basepeak=yes
  177.mesa: basepeak=yes
  178.galgel: basepeak=yes
  179.art: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
  183.equake: basepeak=yes
  187.facerec: basepeak=yes
  188.ammp: basepeak=yes
  189.lucas: -O3 -ipo
  191.fma3d: basepeak=yes
  200.sixtrack: basepeak=yes
  301.apsi: -O3 -ipo

4 CPU machine with only 1 CPU enabled thanks to boot Linux
with option maxcpus=0 (ie=UP kernel) in elilo.conf
```