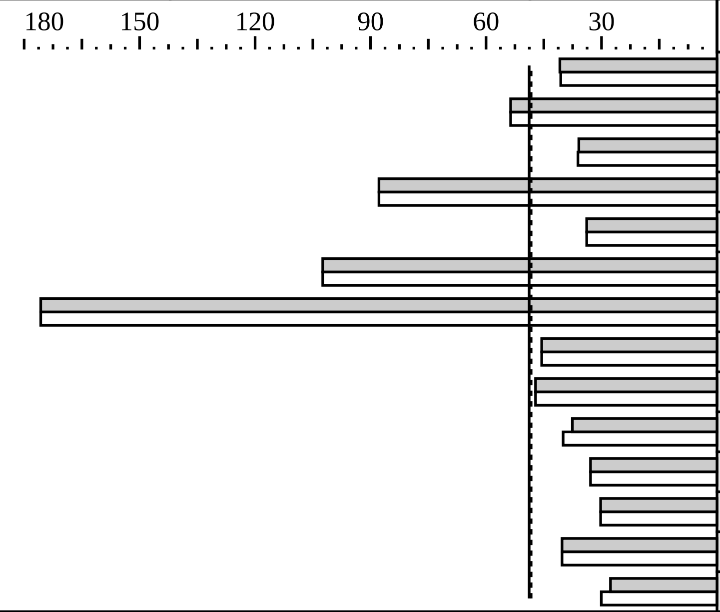
CFP2000 Result

Bull
NovaScale 4040

SPECfp_rate2000 = 48.8
SPECfp_rate_base2000 = 48.3

SPEC license #:	20	Tested by:	JFL	Test date:	Jan-2003	Hardware Avail:	Apr-2003	Software Avail:	Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	182	40.8	4	183	40.6
171.swim	4	268	53.6	4	268	53.6
172.mgrid	4	233	35.9	4	231	36.1
173.applu	4	111	87.8	4	111	87.8
177.mesa	4	192	33.9	4	192	33.9
178.galgel	4	131	102	4	131	102
179.art	4	68.7	176	4	68.7	176
183.equake	4	132	45.5	4	132	45.5
187.facerec	4	187	47.1	4	187	47.1
188.ammp	4	272	37.6	4	255	40.0
189.lucas	4	282	32.9	4	282	32.9
191.fma3d	4	322	30.2	4	322	30.2
200.sixtrack	4	127	40.3	4	127	40.3
301.apsi	4	436	27.7	4	401	30.1

Hardware

CPU:	Itanium 2 processor 1000 MHz
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 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:	3MB (I+D) off chip
Other Cache:	N/A
Memory:	4 GB (16 * 512 MB DIMMs)
Disk Subsystem:	1 SCSI Maxtor 10krpm
Other Hardware:	

Software

Operating System:	64 bit Linux64 : Red Hat Advanced Server 2.1
Compiler:	Intel C++ & Fortran Compilers 7.0 for Linux64 Build 20021210
File System:	ext2
System State:	Single User

Notes/Tuning Information

```
 +FDO: PASS1=-prof_gen  PASS2=-prof_use
 Base tuning:
 C programs:       -ipo -O3 +FDO -ansi_alias
 Fortran programs: -ipo -O3 +FDO
 Portability:
 178.galgel: -FI
168.wupwise: +FDO -ipo -O3 -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -static -ftz
171.swim: +FDO -ipo -O3 (basepeak=yes)
172.mgrid: -O3 -ipo -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -ftz
173.applu: +FDO -ipo -O3 (basepeak=yes)
177.mesa: +FDO -ipo -O3 -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -ftz
178.galgel: +FDO -ipo -O3 (basepeak=yes)
179.art: +FDO -ipo -O3 -ansi_alias (basepeak=yes)
183.equake: +FDO -ipo -O3 (basepeak=yes)
187.facerec: +FDO -ipo -O3 (basepeak=yes)
188.ammp: +FDO -ipo -O3 -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -ftz
189.lucas: -O3 -ipo -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -ftz
```

CFP2000 Result

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SPEC license #: 20	Tested by: JFL	Test date: Jan-2003	Hardware Avail: Apr-2003	Software Avail: Apr-2003

Notes/Tuning Information (Continued)

```
191.fma3d: +FDO -ipo -O3 (basepeak=yes)
200.sixtrack: +FDO -O3 -ipo (basepeak=yes)
301.apsi: -O3 -ipo -ansi_alias -IPF_fltacc -IPF_flt_eval_method0 -ftz
```