



CFP2000 Result

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Unisys Corporation
ES7000 Aries 420 (1500MHz)

SPECfp_rate2000 = 154
SPECfp_rate_base2000 = 154

SPEC license #: 15 | Tested by: Unisys, Salt Lake City, UT | Test date: Oct-2003 | Hardware Avail: Jul-2003 | Software Avail: Jan-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	137	108	8	137	108
171.swim	8	147	195	8	147	195
172.mgrid	8	137	122	8	137	122
173.applu	8	71.2	274	8	71.2	274
177.mesa	8	123	106	8	123	106
178.galgel	8	70.5	382	8	70.5	382
179.art	8	45.8	526	8	45.8	526
183.equake	8	75.3	160	8	75.3	160
187.facerec	8	128	138	8	128	138
188.amp	8	164	125	8	164	125
189.lucas	8	166	112	8	166	112
191.fma3d	8	230	84.8	8	230	84.8
200.sixtrack	8	79.7	128	8	79.7	128
301.apsi	8	285	84.7	8	285	84.7

Hardware

CPU: Itanium 2 processor
CPU MHz: 1500
FPU: Integrated
CPU(s) enabled: 8 cores, 8 chips, 1 core/chip
CPU(s) orderable: 8,12,16
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: 64GB (blocked)
Disk Subsystem: 2x36GB SCSI disk (mirrored) (15k rpm)
Other Hardware:

Software

Operating System: SuSE LINUX Enterprise Server 8 for Intel Itanium Processor Family SP3
Compiler: Intel C/C++ Compiler 7.1 for Linux build 20030722
Intel Fortran Compiler 7.1 for Linux build 20030722
File System: REISERFS/xfs
System State: Runlevel 3 (multiuser+network)

Notes/Tuning Information

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+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning:
C programs:      -ipo -O3 +FDO -static
Fortran programs: -ipo -O3 +FDO
Portability:
178.galgel: -FI
```

SP3 to kernel 2.4.21
Peak flags same as baseline (basepeak=true set globally)
8 CPUs were configured as 2 CPUs per module using Unisys Sentinel system management product.