



CFP2000 Result

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Unisys Corporation
ES7000 Aries 420 (1500MHz)

SPECfp_rate2000 = 222
SPECfp_rate_base2000 = 222

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	154	193	16	154	193
171.swim	16	294	195	16	294	195
172.mgrid	16	306	109	16	306	109
173.applu	16	117	332	16	117	332
177.mesa	16	125	208	16	125	208
178.galgel	16	77.4	695	16	77.4	695
179.art	16	72.4	666	16	72.4	666
183.equake	16	153	157	16	153	157
187.facerec	16	164	215	16	164	215
188.amp	16	183	223	16	183	223
189.lucas	16	286	130	16	286	130
191.fma3d	16	298	131	16	298	131
200.sixtrack	16	78.6	260	16	78.6	260
301.apsi	16	302	160	16	302	160

Hardware

CPU: Itanium 2 processor
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 16 cores, 16 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 20030729
 Intel Fortran Compiler 7.1 for Linux build 20030729
 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)
```