



CFP2000 Result

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Unisys Corporation
ES7000 Aries 420 (1300MHz)

SPECfp_rate2000 = 201
SPECfp_rate_base2000 = 201

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	16	157	189	16	157	189
171.swim	16	291	198	16	291	198
172.mgrid	16	276	121	16	276	121
173.applu	16	119	329	16	119	329
177.mesa	16	143	181	16	143	181
178.galgel	16	102	527	16	102	527
179.art	16	105	461	16	105	461
183.equake	16	152	158	16	152	158
187.facerec	16	190	185	16	190	185
188.amp	16	238	171	16	238	171
189.lucas	16	285	130	16	285	130
191.fma3d	16	301	129	16	301	129
200.sixtrack	16	91.2	224	16	91.2	224
301.apsi	16	347	139	16	347	139

Hardware

CPU: Itanium 2 processor
CPU MHz: 1300
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: 3MB(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 20030924
Intel Fortran Compiler 7.1 for Linux build 20030924
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)
```