



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

ION
I2X2 (1.4GHz Itanium 2 processor)

SPECfp_rate2000 = 36.8

SPECfp_rate_base2000 = 36.8

SPEC license #: 2697 | Tested by: K.Josephson, ION | Test date: Jul-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	135	27.5	2	135	27.5
171.swim	2	152	47.2	2	152	47.2
172.mgrid	2	137	30.5	2	137	30.5
173.applu	2	72.9	66.8	2	72.9	66.8
177.mesa	2	136	24.0	2	136	24.0
178.galgel	2	83.5	80.6	2	83.5	80.6
179.art	2	40.0	151	2	40.0	151
183.quake	2	78.5	38.4	2	78.5	38.4
187.facerec	2	130	34.0	2	130	34.0
188.amp	2	174	29.3	2	174	29.3
189.lucas	2	182	25.4	2	182	25.4
191.fma3d	2	248	19.6	2	248	19.6
200.sixtrack	2	84.4	30.3	2	84.4	30.3
301.apsi	2	325	18.5	2	325	18.5

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1-2
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 4MB (on chip) per CPU
 Other Cache: N/A
 Memory: 8 GB (8x1GB DIMMS)
 Disk Subsystem: 1x 36GB SCSI (Seagate Cheetah 10k rpm)
 Other Hardware: None

Software

Operating System: SuSE Linux Enterprise Server 8
 Compiler: Intel(R) Fortran Compiler for Linux 7.1 (Build 20030519)
 Intel(R) C++ Compiler for Linux 7.1 (Build 20030605)
 File System: ext2
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems
 +FDO: PASS1=-prof_gen PASS2=-prof_use

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

Portability Flags:
 178.galgel: -FI

Peak optimization flags:
 Peak flags same as baseline (basepeak=yes set globally)