



CFP2000 Result

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ION Computer Systems

SR1325TP (3.4GHz Pentium 4 processor with HT Technology Extreme Edition)

SPECfp2000 = 1524

SPECfp_base2000 = 1524

SPEC license #: 2697 Tested by: ION Test date: Apr-2004 Hardware Avail: May-2004 Software Avail: Apr-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	89.4	1790	89.4	1790	
171.swim	3100	142	2190	142	2190	
172.mgrid	1800	137	1312	137	1312	
173.applu	2100	147	1425	147	1425	
177.mesa	1400	88.8	1576	88.8	1576	
178.galgel	2900	94.6	3065	94.6	3065	
179.art	2600	123	2110	123	2110	
183.earthquake	1300	75.8	1715	75.6	1720	
187.facerec	1900	105	1816	105	1816	
188.amp	2200	222	992	221	994	
189.lucas	2000	120	1662	120	1662	
191.fma3d	2100	161	1307	161	1307	
200.sixtrack	1100	168	653	168	653	
301.apsi	2600	235	1108	235	1108	

Hardware

CPU: Intel Pentium 4 processor with HT Technology Extreme Edition, 3.4GHz, 800MHz bus
 CPU MHz: 3392
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip, HT Technology disabled
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB (I+D) on chip
 L3 Cache: 2048KB (I+D) on chip
 Other Cache: None
 Memory: 2 GB DDR400, 3-3-3, (4x512GB DIMMs)
 Disk Subsystem: 1x 200GB IDE, 7200rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux ES release 3
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20040412Z)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20040412Z)
 MicroQuill SmartHeap Library 7.1 (www.microquill.com)
 File System: ext2
 System State: Multi-user, 2.4.21 up kernel

Notes/Tuning Information

Hyper Threading Technology disabled in BIOS

Baseline optimization flags:

C programs: PASS1= -xN -prof_gen PASS2= -xN -fast -prof_use
 Fortran programs: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use

FP Peak optimization flags:

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: basepeak=yes
 173.applu: basepeak=yes
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes
 183.earthquake: PASS1= -xN -prof_gen PASS2= -xN -fast -Oa -prof_use



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Notes/Tuning Information (Continued)

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187.facerec: basepeak=yes
188.amp: PASS1= -xW -prof_gen PASS2= -xW -fast -prof_use
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes
```

FP Portability Flags:
178.galgel: -FI