



CFP2000 Result

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WIPRO LIMITED

NP9426N4UCR(3.66GHz Xeon processor 1MB L2 cache)

SPECfp2000 = 1429

SPECfp_base2000 = 1408

SPEC license #: 937 Tested by: WIPRO LIMITED Test date: Aug-2006 Hardware Avail: Aug-2006 Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	61.2	2614	61.2	2614	
171.swim	3100	179	1732	179	1732	
172.mgrid	1800	131	1373	131	1373	
173.applu	2100	152	1377	152	1377	
177.mesa	1400	76.1	1840	78.3	1788	
178.galgel	2900	155	1865	155	1865	
179.art	2600	105	2485	105	2485	
183.quake	1300	95.8	1357	76.2	1706	
187.facerec	1900	159	1197	159	1197	
188.amp	2200	296	744	296	744	
189.lucas	2000	170	1173	170	1173	
191.fma3d	2100	152	1380	152	1380	
200.sixtrack	1100	158	698	158	698	
301.apsi	2600	215	1212	215	1212	

Hardware

CPU: Intel Xeon processor, 800MHz system bus
CPU MHz: 3657
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip, HyperThreading Disabled
CPU(s) orderable: 1-4
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip (per chip)
Secondary Cache: 1024KB (I+D) on chip (per chip)
L3 Cache: None
Other Cache: None
Memory: 16 GB (16x1024MB DDR2-400)
Disk Subsystem: 36GB Maxtor SCSI disk
Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux 4 AS , 2.6.9-22.ELsmp EM64T
Compiler: Intel(R) Fortran Compiler for EM64T, V9.1 (Build 20060323)
Intel(R) C Compiler for EM64T, V9.1 (Build 20030323)
File System: ext3
System State: Multi-user, runlevel 3

Notes/Tuning Information

HyperThreading Disabled in BIOS
Hardware Prefetcher Enabled in BIOS
Adjacent Cache Line Prefetch Enabled in BIOS

Feedback optimization:
+FDO: PASS1 = -prof_gen PASS2 = -prof_use

FP Portability Flags:
178.galgel: -FI

FP Baseline optimization flags:
C programs: -fast -auto_ilp32 -march=pentium4 +FDO
Fortran programs: -fast +FDO

FP Peak optimization flags:
168.wupwise: basepeak=yes
171.swim: basepeak=yes



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Notes/Tuning Information (Continued)

```
72.mgrid: basepeak=yes
173.applu: basepeak=yes
177.mesa: -fast -auto_ilp32 +FDO
178.galgel: basepeak=yes
179.art: basepeak=yes
183.earthquake: -fast -auto_ilp32 +FDO
187.facerec: basepeak=yes
188.ammpeg: basepeak=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes
```