



CFP2000 Result

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WIPRO LIMITED

NP7226N2UCR (3.6GHz Xeon processor 2MB L2 cache)

SPECfp2000 = 2025

SPECfp_base2000 = 1996

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	46.3	3456	46.3	3456	
171.swim	3100	141	2193	141	2193	
172.mgrid	1800	105	1717	105	1717	
173.applu	2100	126	1668	126	1668	
177.mesa	1400	72.4	1934	74.8	1872	
178.galgel	2900	83.7	3465	83.7	3465	
179.art	2600	43.8	5938	43.8	5938	
183.quake	1300	60.7	2141	47.8	2719	
187.facerec	1900	94.8	2004	94.8	2004	
188.amp	2200	161	1365	161	1365	
189.lucas	2000	103	1943	103	1943	
191.fma3d	2100	125	1685	125	1685	
200.sixtrack	1100	156	707	156	707	
301.apsi	2600	192	1357	192	1357	

Hardware

CPU: Intel Xeon processor, 800MHz system bus
 CPU MHz: 3600
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip, HyperThreading Disabled
 CPU(s) orderable: 1-2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip (per chip)
 Secondary Cache: 2048KB (I+D) on chip (per chip)
 L3 Cache: None
 Other Cache: None
 Memory: 4 GB (4x1024MB DDR2-400)
 Disk Subsystem: 73GB SCSI disk
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux 4 ES, 2.6.9-5.EL EM64T
 Compiler: Intel(R) Fortran Compiler for EM64T, V9.1 (Build 20060603)
 Intel(R) C Compiler for EM64T, V9.1 (Build 20060603)
 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



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Notes/Tuning Information (Continued)

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