CFP2000 Result

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WIPRO LIMITED

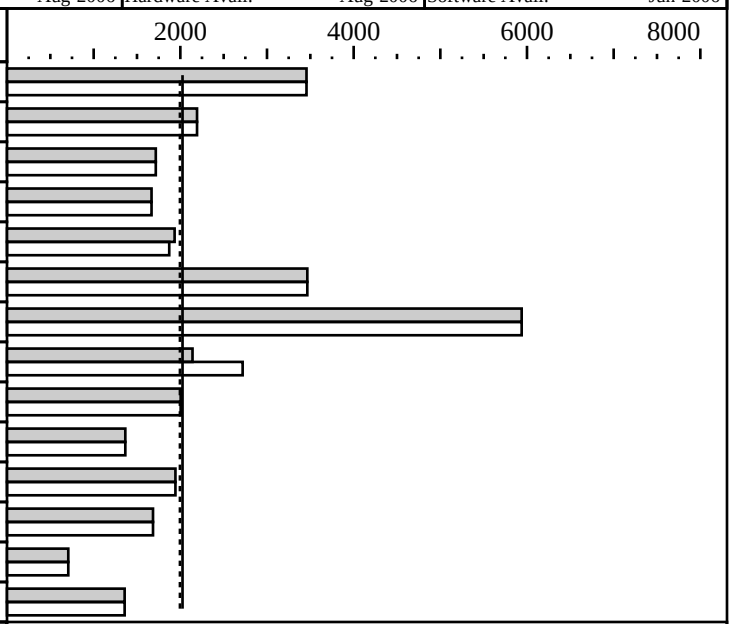
NP7226N2UCR (3.6GHz Xeon processor 2MB L2 cache)

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.equake	1300	60.7	2141	47.8	2719
187.facerec	1900	94.8	2004	94.8	2004
188.ammp	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.equake: -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
```