



CFP2000 Result

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HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2)

SPECfp2000 = --

SPECfp_base2000 = 2851

SPEC license #: 872 | Tested by: HITACHI | Test date: Nov-2005 | Hardware Avail: Jul-2005 | Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	63.8	2506			
171.swim	3100	64.3	4822			
172.mgrid	1800	66.8	2694			
173.aplu	2100	48.7	4311			
177.mesa	1400	97.4	1437			
178.galgel	2900	36.9	7861			
179.art	2600	19.3	13459			
183.quake	1300	37.2	3493			
187.facerec	1900	77.2	2462			
188.amp	2200	120	1836			
189.lucas	2000	99.7	2006			
191.fma3d	2100	115	1821			
200.sixtrack	1100	67.8	1623			
301.apsi	2600	222	1172			

Hardware

CPU: Intel Itanium 2 (667MHz FSB)
 CPU MHz: 1666
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip, per core
 Secondary Cache: 256KB(I+D) on chip, per core
 L3 Cache: 9.0MB(I+D) on chip, per core
 Other Cache: N/A
 Memory: 8GB (1GB DIMM x 8)
 Disk Subsystem: Seagate Ultra320 ST373454LC (73GBx1), 15000rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux AS 4 update 1
 Compiler: Intel(R) Fortran Compiler for Linux 9.0 (Build 20051020)
 Intel(R) C++ Compiler for Linux 9.0 (Build 20051020)
 File System: ext3
 System State: Multi-user run level 3

Notes/Tuning Information

Base tuning flags:

```
Fortran : -fast -IPF_fp_relaxed +FDO
C : -fast -ansi_alias -IPF_fp_relaxed +FDO
+FDO: PASS1=-prof_gen PASS2=-prof_use
```

Portability flags:

178.galgel : -FI

One of two cpus is used.

One is disabled by firmware prior to boot.