



# CFP2000 Result

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## HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2)

SPECfp2000 = --

SPECfp\_base2000 = 2801

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	62.0	2582		
171.swim	3100	64.7	4795		
172.mgrid	1800	67.0	2688		
173.applu	2100	49.4	4247		
177.mesa	1400	100	1394		
178.galgel	2900	39.5	7350		
179.art	2600	20.3	12804		
183.earth	1300	37.1	3508		
187.facerec	1900	80.2	2371		
188.amp	2200	125	1756		
189.lucas	2000	100	2000		
191.fma3d	2100	116	1808		
200.sixtrack	1100	67.8	1623		
301.apsi	2600	226	1150		

### Hardware

CPU: Intel Itanium 2  
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 ST336607LC (36GBx1)  
Other Hardware: None

### Software

Operating System: Red Hat Enterprise Linux AS 3 update 3  
Compiler: Intel(R) Fortran Compiler for Linux 9.0 (Build 20050430)  
Intel(R) C++ Compiler for Linux 9.0 (Build 20050430)  
File System: ext3  
System State: Multi-user

## 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.
```