



# CFP2000 Result

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## HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 56.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	70.0	53.0			
171.swim	2	106	68.0			
172.mgrid	2	97.4	42.9			
173.applu	2	52.1	93.4			
177.mesa	2	100	32.4			
178.galgel	2	39.4	171			
179.art	2	20.3	297			
183.quake	2	47.2	63.9			
187.facerec	2	90.3	48.8			
188.amp	2	126	40.5			
189.lucas	2	131	35.4			
191.fma3d	2	136	35.8			
200.sixtrack	2	68.1	37.5			
301.apsi	2	241	25.1			

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1666  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 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