



CFP2000 Result

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HITACHI

HITACHI BladeSymphony BS1000 (Dual Core Itanium(R) 2 processor 9050, 1.60GHz/24MB, FSB 400MHz)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 318

SPEC license #: 872 | Tested by: HITACHI | Test date: Jun-2006 | Hardware Avail: Aug-2006 | Software Avail: Jun-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	113	262			
171.swim	16	293	197			
172.mgrid	16	227	147			
173.applu	16	86.1	452			
177.mesa	16	96.7	269			
178.galgel	16	39.0	1381			
179.art	16	13.4	3608			
183.quake	16	127	190			
187.facerec	16	87.5	403			
188.amp	16	128	319			
189.lucas	16	272	136			
191.fma3d	16	255	153			
200.sixtrack	16	81.2	252			
301.apsi	16	269	180			

Hardware

CPU: Dual-Core Itanium(R) 2 Processor 9050
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 16 cores, 8 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 2,4,8,16
Parallel: No
Primary Cache: 16KBI + 16KBD on chip, per core
Secondary Cache: 1MBI + 256KBD on chip, per core
L3 Cache: 12MB(I+D) on chip, per core
Other Cache: N/A
Memory: 32GB (1GB DIMM x 32)
Disk Subsystem: 1 x 73GB SCSI HDD
Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux AS 4 update 3
Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523)
Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
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

Hyper-Threading Technology disabled by firmware.
Processes were bound to CPUs by using HITACHI bindlp command.
ccNUMA configuration was selected by firmware.