



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM

IBM eServer BladeCenter HS20 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 20.5

SPECfp_rate_base2000 = 20.4

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: May-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	63.0	29.5	1	63.0	29.5
171.swim	1	137	26.2	1	137	26.2
172.mgrid	1	119	17.5	1	119	17.5
173.applu	1	143	17.1	1	143	17.0
177.mesa	1	89.1	18.2	1	89.1	18.2
178.galgel	1	88.2	38.1	1	88.2	38.1
179.art	1	66.1	45.6	1	66.1	45.6
183.quake	1	67.2	22.4	1	67.2	22.4
187.facerec	1	105	21.0	1	105	21.0
188.amp	1	179	14.3	1	172	14.8
189.lucas	1	98.6	23.5	1	97.7	23.7
191.fma3d	1	145	16.8	1	145	16.8
200.sixtrack	1	170	7.50	1	167	7.62
301.apsi	1	199	15.1	1	199	15.1

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20041019Z)
Intel Fortran Compiler 8.1 (20040802Z)
Microsoft Visual Studio .NET 13.0.9466 (for libraries)
MicroQuill Smartheap Library 7.30
File System: NTFS
System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY

178.galgel: -FI /F3200000

BASE TUNING

C/F77/F90: -fast -QxP -Qansi_alias +FDO

PEAK TUNING

168.wupwise: basepeak=yes
171.swim: basepeak=yes
172.mgrid: basepeak=yes
173.applu: -fast -QxP -Qansi_alias -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -fast -QxP -Qansi_alias -Oa -Qrcd +FDO
187.facerec: -fast -QxP -Qunroll11 -Qscalar_rep- +FDO



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM

IBM eServer BladeCenter HS20 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 20.5

SPECfp_rate_base2000 = 20.4

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: May-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

Notes/Tuning Information (Continued)

188.ammf: -Oa -QxP
189.lucas: -fast -QxP
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi: basepeak=yes