



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries HS20 (1.67 GHz Xeon LV, 2MB L2 Shared Cache)

SPECfp2000 = 1246

SPECfp_base2000 = 1224

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: Dec-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	111	1438	111	1438	
171.swim	3100	200	1549	200	1550	
172.mgrid	1800	185	971	185	971	
173.applu	2100	198	1062	200	1049	
177.mesa	1400	105	1337	105	1337	
178.galgel	2900	115	2517	115	2517	
179.art	2600	98.6	2638	98.6	2638	
183.earthquake	1300	88.1	1475	68.5	1899	
187.facerec	1900	144	1321	143	1325	
188.amp	2200	278	791	278	791	
189.lucas	2000	142	1411	141	1416	
191.fma3d	2100	216	971	216	971	
200.sixtrack	1100	260	423	260	423	
301.apsi	2600	280	929	280	929	

Hardware

CPU: Dual-Core Intel Processor Xeon LV 1.67GHz (667 MHz system bus)
CPU MHz: 1667
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) shared by 2 cores
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 2048 MB ECC PC2-3200 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20051120Z) for 32-bit applications
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 /F32000000

BASE TUNING

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

PEAK TUNING

168.wupwise: basepeak=yes
171.swim: -fast -f77rtl +FDO
172.mgrid: basepeak=yes
173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO
177.mesa: -fast +FDO
178.galgel: basepeak=yes
179.art: basepeak=yes
183.earthquake: -fast -Oa -Qrcd +FDO shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries HS20 (1.67 GHz Xeon LV, 2MB L2 Shared Cache)

SPECfp2000 = 1246

SPECfp_base2000 = 1224

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: Dec-2005

Notes/Tuning Information (Continued)

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