



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML350 G5 (3.73GHz, Intel Xeon Processor 5080)

SPECfp_rate2000 = 56.6
SPECfp_rate_base2000 = 56.6

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	78.9	94.1	4	79.7	93.2
171.swim	4	350	41.1	4	356	40.4
172.mgrid	4	218	38.3	4	221	37.8
173.applu	4	283	34.4	4	283	34.4
177.mesa	4	87.9	73.9	4	87.5	74.2
178.galgel	4	97.9	137	4	97.9	137
179.art	4	99.4	121	4	99.4	121
183.quake	4	101	59.7	4	101	59.6
187.facerec	4	147	60.0	4	148	59.7
188.amp	4	218	46.8	4	207	49.2
189.lucas	4	239	38.8	4	241	38.5
191.fma3d	4	202	48.2	4	202	48.2
200.sixtrack	4	152	33.5	4	152	33.5
301.apsi	4	229	52.7	4	229	52.7

Hardware

CPU: Intel Xeon Processor 5080 (3.73GHz, 2x2MB L2, 1066MHz bus)
 CPU MHz: 3730
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 12K micro-ops I + 16KBD (on chip) per core
 Secondary Cache: 2048KB(I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x2048MB PC2-5300F dual-rank
 Disk Subsystem: 1x146GB 15K SAS
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
 Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
 Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
 Microsoft Visual Studio .NET 7.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning for Fortran programs: -fast -Qansi_alias +FDO

Base tuning for C programs: -fast +FDO shlw32M.lib

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi_alias +FDO

171.swim: -fast +FDO ONESTEP=yes

172.mgrid: -fast -Qansi_alias +FDO

173.applu: basepeak=1

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: basepeak=1

179.art: basepeak=1

183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes



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Notes/Tuning Information (Continued)

188. ammp: -fast -Qansi_alias +FDO
189. lucas: -fast
191. fma3d: basepeak=1
200. sixtrack: -fast +FDO
301. psi: basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled