



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML150 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECfp_rate2000 = 55.6
SPECfp_rate_base2000 = 55.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	80.0	92.7	4	80.1	92.7
171.swim	4	377	38.1	4	377	38.2
172.mgrid	4	235	35.5	4	235	35.5
173.applu	4	295	33.0	4	295	33.0
177.mesa	4	87.8	74.0	4	87.3	74.4
178.galgel	4	98.9	136	4	98.9	136
179.art	4	99.5	121	4	99.5	121
183.quake	4	101	59.6	4	101	59.6
187.facerec	4	145	60.9	4	146	60.3
188.amp	4	210	48.7	4	203	50.4
189.lucas	4	256	36.3	4	256	36.3
191.fma3d	4	209	46.6	4	209	46.6
200.sixtrack	4	152	33.6	4	152	33.5
301.apsi	4	234	51.5	4	234	51.5

Hardware

CPU: Intel Xeon processor 5080 (3.73 GHz, 2x2 MB L2, 1066 MHz 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: 12 K micro-ops I + 16 KB D on chip per core
Secondary Cache: 2 MB I+D on chip per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8 GB (4x2048 MB PC2-5300F)
Disk Subsystem: 1x36 GB 15 K 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 +FDO ONESTEP=yes shlw32M.lib

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