



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL320 G5 (2.66 GHz, Intel Xeon processor 3070)

SPECfp_rate2000 = 47.7
SPECfp_rate_base2000 = 47.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	50.4	73.7	2	49.8	74.5
171.swim	2	215	33.5	2	212	34.0
172.mgrid	2	139	30.1	2	136	30.7
173.applu	2	160	30.4	2	160	30.4
177.mesa	2	54.2	60.0	2	53.8	60.4
178.galgel	2	57.4	117	2	57.4	117
179.art	2	47.4	127	2	47.4	127
183.quake	2	59.2	50.9	2	59.2	50.9
187.facerec	2	79.6	55.4	2	80.2	55.0
188.amp	2	144	35.4	2	127	40.2
189.lucas	2	123	37.8	2	123	37.7
191.fma3d	2	135	36.2	2	135	36.2
200.sixtrack	2	105	24.4	2	105	24.4
301.apsi	2	152	39.6	2	152	39.6

Hardware

CPU: Intel Xeon processor 3070 (2.66 GHz, 4 MB L2 shared, 1066 MHz bus)
CPU MHz: 2660
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 4 MB I+D on chip per chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 GB (4x2 GB PC2-5300E)
Disk Subsystem: 1x250 GB SATA
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
Power Regulator set to Static High