



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML370 G4 (3.8GHz, Intel Xeon)

SPECfp2000 = 1877
SPECfp_base2000 = 1851

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Aug-2005 Hardware Avail: Sep-2005 Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	59.3	2696	59.3	2698	
171.swim	3100	134	2313	134	2315	
172.mgrid	1800	114	1582	114	1584	
173.applu	2100	136	1546	136	1539	
177.mesa	1400	84.4	1658	84.4	1659	
178.galgel	2900	80.1	3619	79.5	3650	
179.art	2600	62.0	4192	62.0	4192	
183.quake	1300	63.8	2039	52.8	2461	
187.facerec	1900	100	1900	100.0	1901	
188.amp	2200	173	1274	173	1274	
189.lucas	2000	98.1	2038	97.9	2043	
191.fma3d	2100	136	1548	136	1548	
200.sixtrack	1100	161	683	161	683	
301.apsi	2600	192	1356	192	1356	

Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz bus)
CPU MHz: 3800
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 micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1024MB PC2-3200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 8.1 Build 20050524Z)
Intel Fortran Compiler for 32-bit applications, (Version 8.1 Build 20050517Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smarheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning: -fast -Qansi_alias +FDO

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi_alias +FDO

171.swim: -fast -f77rtl +FDO ONESTEP=yes

172.mgrid: -fast -Qansi_alias +FDO

173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: -fast +FDO ONESTEP=yes

179.art: basepeak=1

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

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

188.amp: basepeak=1



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Notes/Tuning Information (Continued)

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