



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML570 G3 (3.66GHz, Intel Xeon MP)

SPECfp_rate2000 = 23.2
SPECfp_rate_base2000 = 22.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	93.3	39.8	2	93.2	39.8
171.swim	2	342	21.0	2	342	21.0
172.mgrid	2	217	19.3	2	217	19.3
173.applu	2	243	20.0	2	242	20.2
177.mesa	2	94.6	34.3	2	93.5	34.7
178.galgel	2	214	31.4	2	214	31.4
179.art	2	223	27.1	2	223	27.1
183.quake	2	174	17.3	2	129	23.3
187.facerec	2	186	23.7	2	186	23.7
188.amp	2	330	15.4	2	330	15.4
189.lucas	2	237	19.6	2	236	19.7
191.fma3d	2	220	22.2	2	220	22.2
200.sixtrack	2	171	14.9	2	171	14.9
301.apsi	2	248	24.3	2	248	24.3

Hardware

CPU: Intel Xeon MP (3.66GHz, 1MB L2, 667MHz bus)
CPU MHz: 3660
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 16x1024MB 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 Smartheap 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
189.lucas: -fast



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Notes/Tuning Information (Continued)

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