



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECfp2000 = 1255
SPECfp_base2000 = 1227

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	90.1	1776	90.1	1776
171.swim	3100	267	1162	266	1163
172.mgrid	1800	177	1018	177	1019
173.applu	2100	200	1052	199	1056
177.mesa	1400	100	1396	100	1396
178.galgel	2900	113	2561	113	2568
179.art	2600	92.6	2809	92.6	2809
183.quake	1300	123	1058	90.7	1434
187.facerec	1900	152	1249	152	1252
188.amp	2200	199	1107	199	1107
189.lucas	2000	219	911	219	912
191.fma3d	2100	215	976	215	976
200.sixtrack	1100	182	603	182	604
301.apsi	2600	259	1004	259	1004

Hardware

CPU: Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz: 3333
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 8192KB
Other Cache: N/A
Memory: 16x2048MB DDR2-400
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise (Build 3790)
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