CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

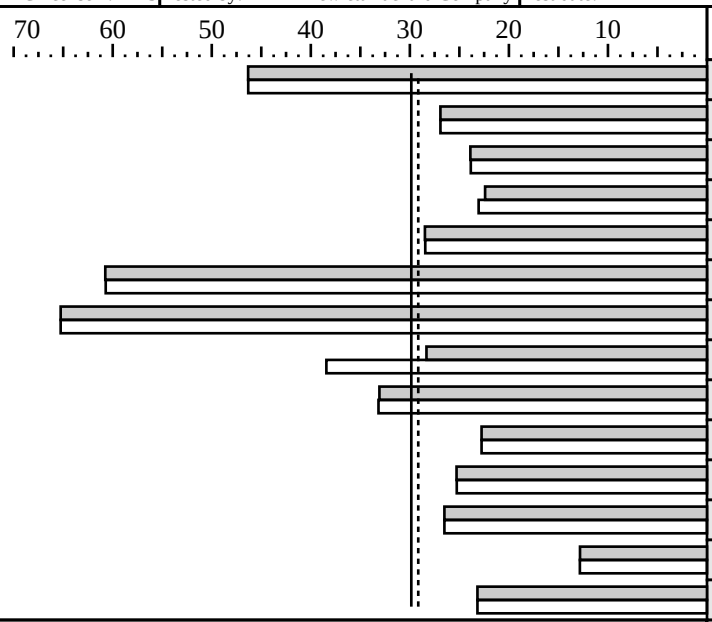
Hewlett-Packard Company

ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECfp_rate2000 = 29.9

SPECfp_rate_base2000 = 29.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	80.1	46.3	2	80.1	46.3
171.swim	2	267	26.9	2	267	26.9
172.mgrid	2	175	23.9	2	175	23.8
173.applu	2	217	22.4	2	211	23.1
177.mesa	2	114	28.5	2	114	28.4
178.galgel	2	111	60.7	2	111	60.7
179.art	2	92.4	65.3	2	92.4	65.3
183.equake	2	106	28.3	2	78.5	38.4
187.facerec	2	133	33.1	2	133	33.2
188.ammp	2	224	22.8	2	224	22.8
189.lucas	2	184	25.3	2	184	25.3
191.fma3d	2	184	26.5	2	184	26.5
200.sixtrack	2	199	12.8	2	199	12.8
301.apsi	2	260	23.2	2	260	23.2

Hardware

CPU:	Intel dual-core Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-3200
Disk Subsystem:	1x72.8GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20050624Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050624Z) 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.equake:   -fast -Oa -Qrcd                     +FDO ONESTEP=yes shlw32M.lib
  187.facerec:  -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
  188.ammp:     basepeak=1
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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
```