CFP2000 Result

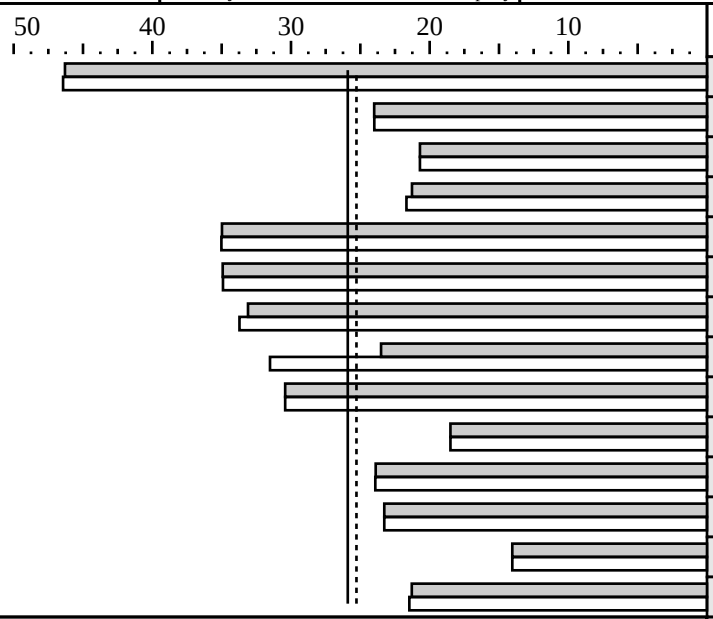
Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 25.9

SPECfp_rate_base2000 = 25.3

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2004 | Hardware Avail: Aug-2004 | Software Avail: Sep-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	80.2	46.3	2	79.9	46.4
171.swim	2	300	24.0	2	300	24.0
172.mgrid	2	202	20.7	2	202	20.7
173.applu	2	229	21.3	2	225	21.7
177.mesa	2	92.9	35.0	2	92.8	35.0
178.galgel	2	193	34.9	2	193	34.9
179.art	2	182	33.1	2	179	33.7
183.equake	2	128	23.5	2	95.7	31.5
187.facerec	2	145	30.4	2	145	30.4
188.ammp	2	276	18.5	2	276	18.5
189.lucas	2	194	23.9	2	194	23.9
191.fma3d	2	209	23.3	2	209	23.3
200.sixtrack	2	182	14.0	2	182	14.0
301.apsi	2	283	21.3	2	281	21.5

Hardware

CPU:	Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
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:	4x2048MB PC2700 CL2.5
Disk Subsystem:	1x72.8GB 10K U320
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Intel Fortran Compiler 8.1 build 20040802Z 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 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:        -fast -Oa -Qunroll4 -Zp4                  ONESTEP=yes
  183.equake:     -fast -Oa -Qrcd                     +FDO  ONESTEP=yes shlw32M.lib
  187.facerec:    basepeak=1
  188.ammp:       basepeak=1
  189.lucas:      -fast
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
    191.fma3d:      basepeak=1
    200.sixtrack:   -fast                                  +FDO
    301.apsi:       -fast                        -f77rtl +FDO ONESTEP=yes
  BIOS Configuration Notes
    HT Technology disabled
```