CFP2000 Result

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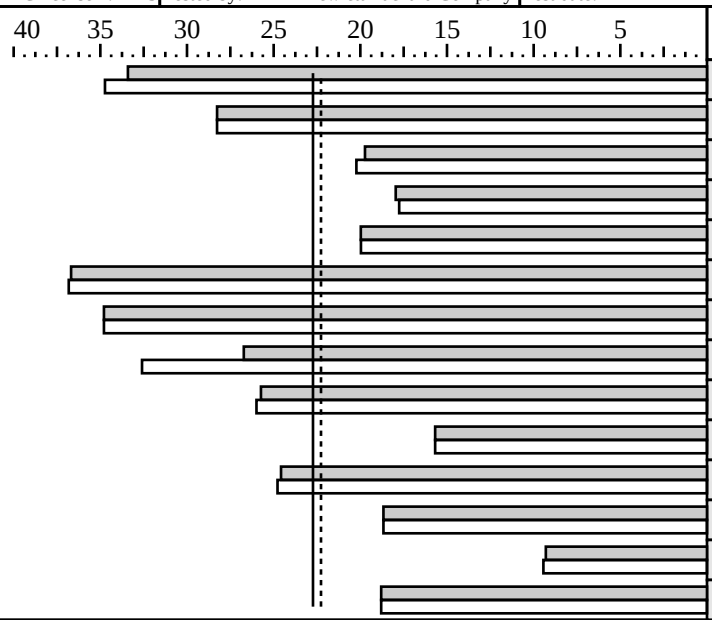
Hewlett-Packard Company

ProLiant ML370 G4 (3.8GHz, Intel Xeon)

SPECfp_rate2000 = 22.7

SPECfp_rate_base2000 = 22.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	111	33.4	2	107	34.7
171.swim	2	254	28.3	2	254	28.3
172.mgrid	2	212	19.7	2	206	20.2
173.applu	2	271	18.0	2	274	17.8
177.mesa	2	163	20.0	2	163	20.0
178.galgel	2	183	36.7	2	183	36.8
179.art	2	173	34.8	2	173	34.8
183.equake	2	113	26.7	2	92.5	32.6
187.facerec	2	171	25.7	2	170	26.0
188.ammp	2	325	15.7	2	325	15.7
189.lucas	2	189	24.6	2	187	24.8
191.fma3d	2	261	18.7	2	261	18.7
200.sixtrack	2	274	9.30	2	270	9.44
301.apsi	2	321	18.8	2	321	18.8

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 enabled)
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 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
```

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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 enabled
```