CFP2000 Result

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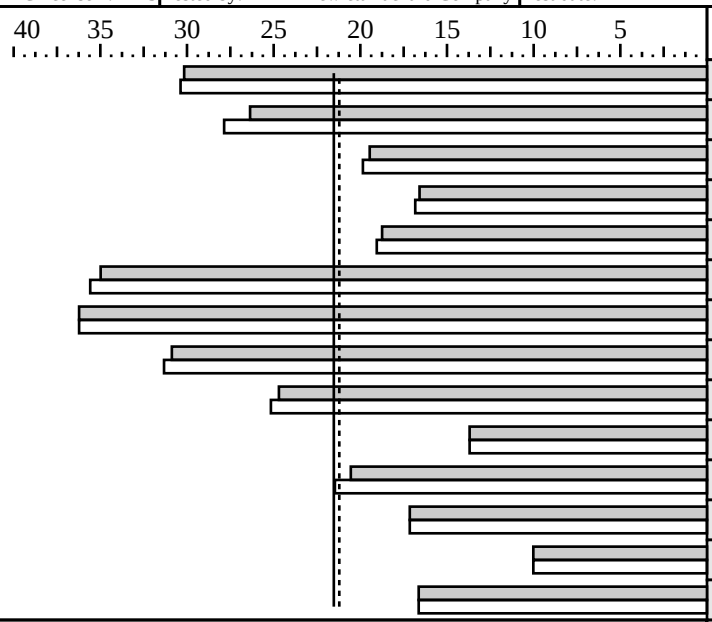
Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 21.5

SPECfp_rate_base2000 = 21.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	123	30.2	2	122	30.4
171.swim	2	273	26.4	2	258	27.9
172.mgrid	2	215	19.5	2	210	19.9
173.applu	2	294	16.6	2	289	16.8
177.mesa	2	173	18.7	2	170	19.1
178.galgel	2	192	35.0	2	189	35.6
179.art	2	167	36.2	2	167	36.2
183.equake	2	97.7	30.9	2	96.3	31.3
187.facerec	2	178	24.7	2	175	25.2
188.ammp	2	373	13.7	2	373	13.7
189.lucas	2	226	20.5	2	216	21.5
191.fma3d	2	284	17.1	2	284	17.1
200.sixtrack	2	255	10.0	2	255	10.0
301.apsi	2	363	16.6	2	363	16.6

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
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:	4x2048MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 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 shlW32M.lib
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
```