CFP2000 Result

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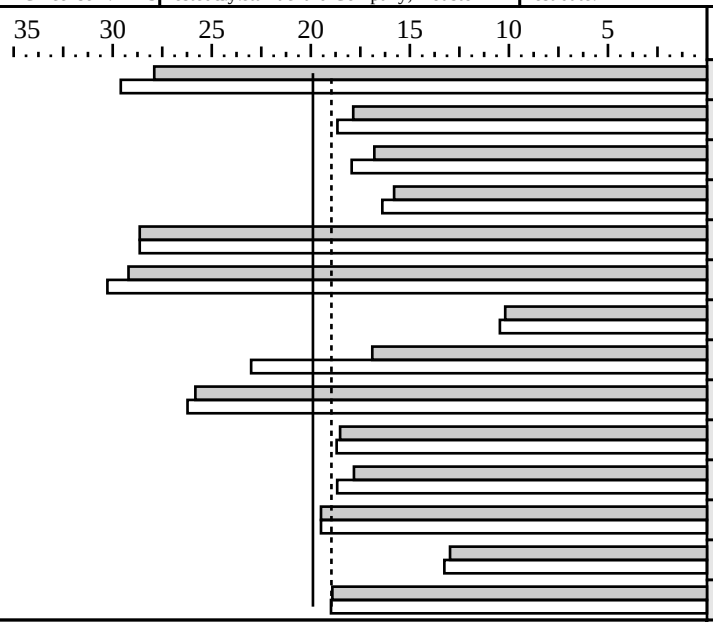
Hewlett-Packard Company
ProLiant DL360 G3(3.06GHz, Intel Xeon)

SPECfp_rate2000 = 19.9

SPECfp_rate_base2000 = 19.0

SPEC license #: 3 Tested by: Hewlett-Packard Company, Houston TX Test date: Jun-2003 Hardware Avail: Jul-2003 Software Avail: Mar-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	133	27.9	2	125	29.6
171.swim	2	403	17.9	2	386	18.7
172.mgrid	2	249	16.8	2	233	17.9
173.applu	2	308	15.8	2	297	16.4
177.mesa	2	113	28.6	2	113	28.6
178.galgel	2	230	29.2	2	222	30.3
179.art	2	592	10.2	2	577	10.5
183.equake	2	179	16.9	2	131	23.0
187.facerec	2	171	25.8	2	168	26.2
188.ammp	2	276	18.5	2	273	18.7
189.lucas	2	260	17.8	2	249	18.7
191.fma3d	2	250	19.5	2	250	19.5
200.sixtrack	2	197	13.0	2	192	13.3
301.apsi	2	319	18.9	2	318	19.0

Hardware

CPU:	Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz:	3066
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12KBI + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	2x36.4GB U320 15K
Other Hardware:	

Software

Operating System:	Windows 2000 Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.0 Build 20021028Z Microsoft Visual Studio .NET (for libraries) Intel Fortran Compiler 7.0 build 20021028Z MicroQuill Smartheap Library 6.03
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise:    -Qipo -QxW  +FDO
171.swim:       -Qipo -QxW  -O3 +FDO
172.mgrid:      -Qipo -QaxW -O3 +FDO
173.applu:      -Qipo -QxW  -O3 -Qscalar_rep- +FDO
177.mesa:       -Qipo -QxW  -O3 +FDO
178.galgel:     -Qipo -QxW  -O3 +FDO
                 LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
                 libm.lib LIBC.lib libirc.lib OLDNAMES.lib
179.art:        -Qipo -Oa -Qunroll4 -Zp4
183.equake:     -Qipo -QxW  -Oa +FDO shlw32M.lib
187.facerec:    -Qipo -QxW  -O3 -Qunroll1 -Qscalar_rep- +FDO
                 LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
```

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Notes/Tuning Information (Continued)

```
                libm.lib LIBC.lib libirc.lib OLDNAMES.lib
    188.ammp:       -QxW  -Oa
    189.lucas:      -Qipo -QaxW
    191.fma3d:      basepeak=1
    200.sixtrack:   -Qipo -QxW  +FDO
    301.apsi:       -Qipo -QxW  -O3 +FDO
```