CFP2000 Result

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Intel Corporation

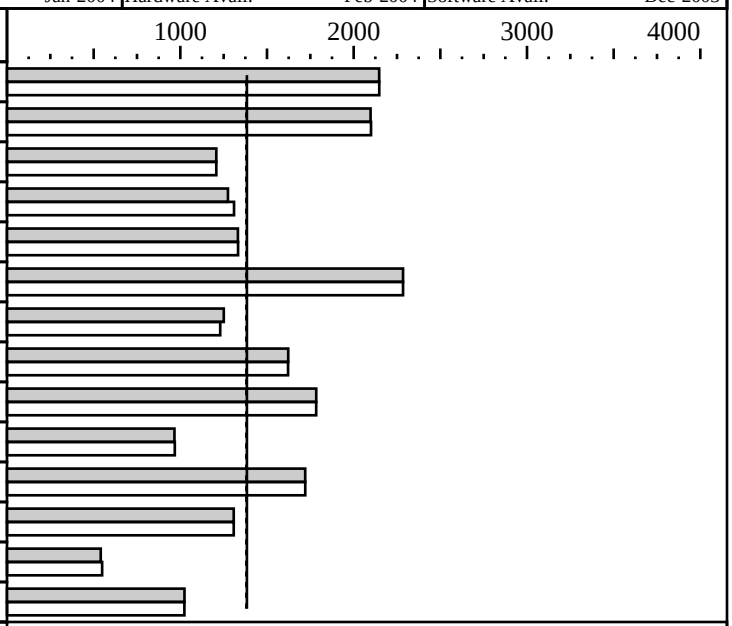
Intel D875PBZ motherboard (AA-301) (3.0E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECfp2000 = 1384

SPECfp_base2000 = 1381

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	74.5	2147	74.5	2148
171.swim	3100	148	2097	148	2100
172.mgrid	1800	149	1208	149	1208
173.applu	2100	165	1275	160	1310
177.mesa	1400	105	1332	105	1333
178.galgel	2900	127	2285	127	2285
179.art	2600	208	1251	211	1230
183.equake	1300	80.1	1622	80.2	1622
187.facerec	1900	107	1784	107	1784
188.ammp	2200	228	966	227	968
189.lucas	2000	116	1720	116	1721
191.fma3d	2100	161	1308	161	1308
200.sixtrack	1100	203	541	200	549
301.apsi	2600	254	1024	254	1023



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.0E GHz, 800 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	1MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	1 GB(2 512MB PC3200 Samsung Double-sided CL3-3-3 DIMMs)
Disk Subsystem:	Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware:	None

Software

Operating System:	Windows XP Professional Service Pack 1a
Compiler:	Intel C++ and Fortran Compiler 8.0 Build 20031017Z Microsoft Visual Studio .Net 7.0(for libraries) MicroQuill SmartHeap library V6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
ONESTEP=yes for all base and peak runs   +FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use (Qxp not used in PASS1)
Base tuning:  -QxP -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxP -fast -Qansi_alias +FDO
171.swim:     -QxP -fast -Qansi_alias +FDO
172.mgrid:    -QxP -fast -Qansi_alias +FDO
173.applu:    -QxP -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxP -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxP -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -QxP -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO
301.apsi: -QxP -fast +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 9/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/p4_boards/p4_dsk_board_d875pbz/index.htm
The system bus runs at 800 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An AGP video card is installed and Hyper-Threading Technologyis enabled