CFP2000 Result

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Intel Corporation

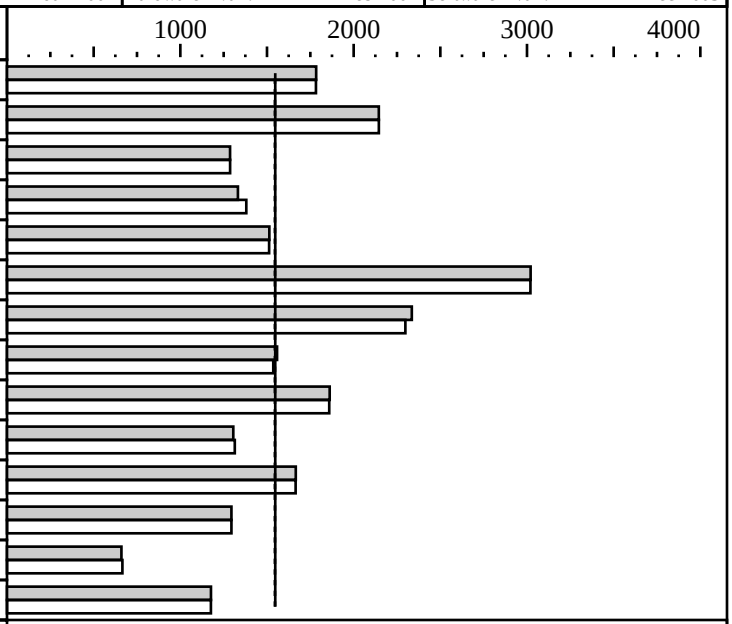
Intel D875PBZ motherboard (AA-206) (3.4 GHz, Pentium 4 Processor with Hyper-Threading Technology Extreme Edition)

SPECfp2000 = 1548

SPECfp_base2000 = 1546

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	89.7	1784	89.8	1782
171.swim	3100	145	2145	145	2145
172.mgrid	1800	140	1287	140	1287
173.applu	2100	158	1332	152	1381
177.mesa	1400	92.5	1514	92.6	1512
178.galgel	2900	96.0	3021	96.0	3020
179.art	2600	111	2335	113	2298
183.equake	1300	83.4	1558	84.6	1536
187.facerec	1900	102	1862	102	1859
188.ammp	2200	169	1306	167	1314
189.lucas	2000	120	1666	120	1665
191.fma3d	2100	162	1295	162	1295
200.sixtrack	1100	167	660	165	666
301.apsi	2600	221	1177	221	1176



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology Extreme Edition (3.4 GHz, 800 MHz bus)
CPU MHz:	3400
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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2MB (I+D) on chip
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
Base tuning:  -QxN -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxN -fast -Qansi_alias +FDO
171.swim:     -QxN -fast -Qansi_alias +FDO
172.mgrid:    -QxN -fast -Qansi_alias +FDO
173.applu:    -QxN -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxN -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxN -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxN -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxN -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxN +FDO
301.apsi: -QxN -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