CFP2000 Result

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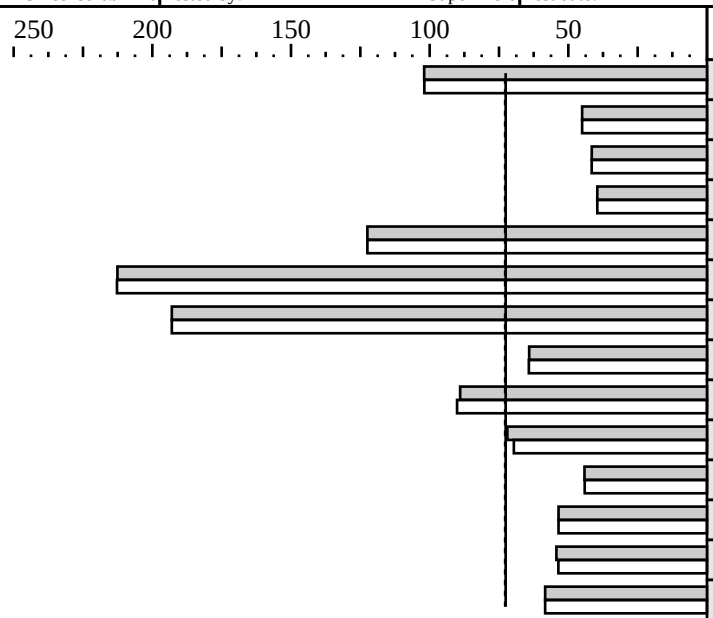
Supermicro

Motherboard X7DVA-E/8(3.00GHz, Intel Xeon 5160 processor)

SPECfp_rate2000 = 72.6

SPECfp_rate_base2000 = 72.8

SPEC license #01176 | Tested by: Supermicro | Test date: Jul-2006 | Hardware Avail: May-2006 | Software Avail: Mar-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	72.8	102	4	72.8	102
171.swim	4	319	45.0	4	319	45.0
172.mgrid	4	201	41.6	4	201	41.6
173.applu	4	246	39.6	4	246	39.6
177.mesa	4	53.0	122	4	53.0	122
178.galgel	4	63.3	213	4	63.3	213
179.art	4	62.5	193	4	62.5	193
183.equake	4	94.1	64.1	4	93.9	64.2
187.facerec	4	99.0	89.0	4	97.8	90.1
188.ammp	4	142	72.0	4	147	69.6
189.lucas	4	210	44.2	4	210	44.1
191.fma3d	4	182	53.5	4	182	53.5
200.sixtrack	4	94.0	54.3	4	95.3	53.6
301.apsi	4	207	58.4	4	207	58.4

Hardware

CPU:	Intel Xeon 5160 processor (3.00 GHz,1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	4MB(I+D) on chip (per chip)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 2GB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	Seagate Barracuda 7200.9 120GB IDE, 7200RPM
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits w/ SP1
Compiler:	Intel C++ and Fortran Compiler 9.1 for 32-bit applications Build 20060323Z Package ID: W_FC_P_9.1.020 Microsoft Visual Studio 2005(for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs:  -fast -Qansi_alias +FDO
Base tuning for 177.mesa:  -fast    +FDO shlW32M.lib
Base tuning for 179.art:  -fast     +FDO shlW32M.lib
Base tuning for 183.equake:  -fast  +FDO shlW32M.lib
Base tuning for 188.ammp:  -fast    +FDO shlW32M.lib
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -fast -Qansi_alias +FDO
171.swim:     -fast -Qansi_alias +FDO
172.mgrid:    -fast -Qansi_alias +FDO
173.applu:  basepeak=yes
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo  +FDO  shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO  shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
     Tested systems can be used with SC811S-520 case,
    To ensure system stability, a 500W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
    Product description located as of X7DVA: http://www.supermicro.com/products/motherboard/Xeon1333/5000V/X7DVA-8.cfm
     The system bus runs at 1333 MHz
```