



CFP2000 Result

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Supermicro
PDSML-LN2 Rev. 1.01 Motherboard

SPECfp_rate2000 = 33.9
SPECfp_rate_base2000 = 35.1

SPEC license #01176 | Tested by: Supermicro | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: May-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	128	58.1	4	134	55.6
171.swim	4	445	32.3	4	488	29.5
172.mgrid	4	282	29.6	4	306	27.3
173.applu	4	338	28.8	4	341	28.6
177.mesa	4	181	36.0	4	181	36.0
178.galgel	4	229	58.8	4	238	56.6
179.art	4	274	44.1	4	274	44.1
183.quake	4	149	40.5	4	162	37.3
187.facerec	4	195	45.2	4	200	44.0
188.amp	4	385	26.5	4	384	26.6
189.lucas	4	291	31.9	4	322	28.8
191.fma3d	4	351	27.7	4	351	27.7
200.sixtrack	4	254	20.1	4	262	19.5
301.apsi	4	360	33.5	4	360	33.5

Hardware

CPU: Intel Pentium Processor Extreme Edition 955 (3.46Ghz, 1066FSB)
CPU MHz: 3460
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology Enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip per core
Secondary Cache: 2MB(I+D) on chip per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB ATP DDR2-533 ECC
Disk Subsystem: 36GB Western Digital WD360 SATA HDD
Other Hardware: N/A

Software

Operating System: Windows Server 2003 Enterprise Edition SP1
Compiler: Intel C++ and Fortran Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit)
Microsoft Visual Studio .Net 2003(for libraries)
SmartHeap Library Version 7.4 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 C programs: -fast shlw32M.lib +FDO
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: -fast -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.quake: -QxP -Oa -Qrcd -Qipo shlw32M.lib +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -fast -Oa +FDO shlw32M.lib
189.lucas: -fast -Qprefetch- +FDO
```



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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Tested system was built with SC811T-300, http://www.supermicro.com/products/chassis/1U/811/SC811T-300.cfm
Fixed 300W AC power supply module with PFC [ 24-pin, (4-pin=12V), 4-pin HDD ]
Product description located as of:
http://www.supermicro.com/products/motherboard/DualCore/E7230/PDSML-LN2.cfm
Used On-board XGI XG20 graphics, 16MB DDR video memory
The system bus runs at 1066 MHz
```