Sun Microsystems
Sun Fire 280R

SPEC has determined that this result was not in compliance with the SPEC CPU2000 run and reporting rules. Specifically, the system did not ship to customers in a configuration that achieved the same results (within 1.75%) thus failing to meet the 3-month availability requirement.

Replacement results can be found at:

### Benchmark Results

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Runtime</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>168.wupwise</td>
<td>2</td>
<td>NC</td>
<td>NC</td>
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<tr>
<td>171.swim</td>
<td>2</td>
<td>NC</td>
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<td>2</td>
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<td>301.apsi</td>
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</tr>
</tbody>
</table>

### Hardware
- CPU: UltraSPARC-III
- CPU MHz: 750
- FPU: Integrated
- CPU(s) enabled: 2 cores; 2 chips, 1 core/chip
- CPU(s) orderable: 2
- Parallel: No
- Primary Cache: 32KB+64KBD on chip
- Secondary Cache: 8MB(I+D) off chip
- L3 Cache: None
- Other Cache: None
- Memory: 4GB
- Disk Subsystem: 1 x 36 GB + 1 x 9 GB
- Other Hardware: --

### Software
- Operating System: Solaris 8 update 3
- Compiler: Forte Developer 6 update 1
- File System: UFS
- System State: Single user

### Notes/Tuning Information
- Portability: 178.galgel: -e -fixed
- Base C flags: -fast -xcrossfile -xprofile -xalias_level=std
- Base F90 flags: -fast -xcrossfile -xprofile

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Notes/Tuning Information (Continued)

Peak:
168.wupwise: -fast -xcrossfile -xprofile
171.swim: -fast -xchip=ultra2
172.mgrid: f77 -fast -xregs=syst
173.applu: f77 -fast -Qoption iropt -Adata_access, Mt6000, Mm12000, -Mr40000, -Ma400, -whole -xregs=syst
177.mesa: -fast -xcrossfile -xalias_level=strong -xprofile
178.galgel: -fast -xcrossfile -xregs=syst -xprofile -dn
179.art: -fast -xalias_level=strong -xdepend -xregs=syst -xprofile -dn -lmopt -lm
183.equake: -fast -xalias_level=strong -xdepend -xprofile -lmopt -lm
187.facerec: -fast -xcrossfile -xprofile
188.ammp: -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -W2,-whole -xprofile
189.lucas: -fast -option f90comp -array_pad_rows,1024 -Qoption iropt -whole -xprofile
191.fma3d: -fast -xcrossfile -stackvar -xprofile
200.sixtrack: -fast -xcrossfile -xprofile
301.apsi: -fast -option f90comp -expansion -xprofile
Note: ONESTEP=yes in base and peak for all benchmarks.
Stack size set to unlimited by: ulimit -s unlimited

Note: Forte Developer 6 update 1 patches include:
109503-07,109505-08,109506-06,109513-06
For results with patch 111228-01 and obp 4.0.40 or later (included in standard configuration) see publication in July-2001