## Subject: Re: OpenGL + Linux crashes
Posted by Karl Schultz on Mon, 15 Mar 2004 15:28:59 GMT
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 news:Pine.LNX.4.58.0403092159240.29572@bifur.rmki.kfki.hu...
>
> On Tue, 9 Mar 2004, Karl Schultz wrote:
>
>> ...
>> When this Mesa module starts up, it attempts to see if the SSE
(Streaming
>> SIMD (Single Instruction Multiple Data) Extensions) instructions are
>> available on the CPU. ...
>
>
> a stupid (?) question: Mesa knows that it is running on linux. Why not
> does it read /proc/cpuinfo first to learn about CPU features? And go the
> tricky way if /proc/cpuinfo does not exist.

This is a very interesting suggestion.  Unfortunately, the situation is not
that simple.

Intel explains why in
 http://www.intel.com/cd/ids/developer/asmo-na/eng/microproce
ssors/ia32/pentium4/resources/appnotes/sse/19065.htm

If you prefer to look at source code, see the files in Mesa (Sourceforge) or
XFree86 4.3 (mesa/src/x86).