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Subject: Re: where() and IEEE NaN

Posted by [korpela](#) on Mon, 08 Nov 1999 08:00:00 GMT

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In article <806t4k\$mt0@post.gsfc.nasa.gov>,

William Thompson <thompson@orpheus.nascom.nasa.gov> wrote:

> I thought the only platform that wasn't IEEE compliant was OpenVMS, where the  
> VAX floating point notation doesn't included NaN values.

There are also problems on many X86 platforms, where one usually has to set  
a compiler flag in order to get IEEE compatible code out of the compilers.

I'm pretty sure the Windows version is not compliant. Don't know about the  
linux versions.

> Actually, the comment that the above command is confusing to people who don't  
> know what's going on is valid. Vincenzo's suggestion of using FINITE(/NaN) is  
> probably better, and should be (at least) just as fast.

Point taken. I'll b&m about any numerical software that doesn't at least make  
the attempt to be IEEE compliant, or at least consistant across platforms.

Eric

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Eric Korpela | An object at rest can never be

korpela@ssl.berkeley.edu | stopped.

<a href="http://sag-www.ssl.berkeley.edu/~korpela">Click for home page.</a>

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