Subject: Slow execution with NaNs under Solaris 8 and 9
Posted by ivar-christopher on Tue, 11 Mar 2003 18:11:30 GMT
View Forum Message <> Reply to Message

Hi,

We've recenty purchaced a couple of fast, new Sun systems, one running Solaris 8 and the other Solaris 9. At some point I discovered that some existing IDL code was running much slower than I expected on these systems. After much tracking down, it turns out that when various functions, including where() and trig functions, are called on data that contain IEEE Not a Numbers (NaNs), the execution speed drops by up to an order of magnitude.

Our sysadmin and I tracked down some Solaris math library patches to libm that were supposed to fix a similar bug report (seen with C code) submitted to Sun, but they've had no effect on the problem for us. The slowdown is seen with both IDL 5.3 and 5.5.

Has anyone else observed anything similar? Does anyone have any idea if IDL does anything wierd when accessing system libraries that might cause it to not use the patched libm?

Thanks

Ivar