
Subject: Re: WRONG RESULTS WITH IDL

Posted by [Anders Johannesson](#) on Thu, 14 May 1998 07:00:00 GMT

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Frank Loewenthal wrote in message <354ef5cc.356842983@news>...

> Hi Folks

>

> For calculation of beam-propagation I use IDL. But now I realize that

> for large arguments, even with double-precision, IDL gives wrong

> results:

> For example:

>

> sin(12345678901.12345678901) = -03727 9004 9960 8007

>

> where IDL get:

>

> IDL> x = double(12345678901.12345678901)

> IDL> print, sin(x)

> 0.098761418

>

> Can somebody confirm this result, and does anybody know the solution

> to overcome this problem?

#####

You are not using double. Try it this way: (Note the d for double)

print,sin(12345678901.12345678901d)

Anders Johannesson

#####

>

> Best regards

>

> Frank
