Subject: Re: WRONG RESULTS WITH IDL Posted by Caesar E. Ordonez on Tue, 05 May 1998 07:00:00 GMT View Forum Message <> Reply to Message

I did the following:

```
IDL> x = 12345678901.12345678901D
IDL> print,sin(x)
-0.37327885
```

Frank Loewenthal wrote:

```
> 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) = -03727900499608007
  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?
>
> Best regards
> Frank
```