
Subject: Re: loop limit ???

Posted by [Michael Galloy](#) on Wed, 18 Apr 2007 21:12:10 GMT

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On Apr 18, 2:54 pm, kostis <kostis...@gmail.com> wrote:

```
> i wouldnt expect that IDL has a limit for loops !!
> trying a loop of 50.000 steps i got the message:
>
> % Compiled module: TRAJECTORY.
> % Loop limit expression too large for loop variable type.
> <LONG ( 49999)>.
> % Execution halted at: TRAJECTORY      16 /home/kostis/PROJECT
> LARMOR/dipole/trajectory.pro
> %
>          $MAIN$
>
> Why is this?
> This means i cant have bigger loops... or is there a trick??
```

There's a "trick". A FOR loop variable gets its type from the "start" value of the loop and it doesn't change in the course of the loop.

So, (note the 0L -- it's the "trick"):

```
for i = 0L, 50000L do begin
    ; stuff here
endfor
```

should do it for you.

Mike

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