Subject: Force to print exponential to e-6
Posted by aberte@gmail.com on Fri, 14 Mar 2014 13:19:55 GMT

I have, say an array with three numbers:
[2e-5,2e-6,2e-7]

I would like to print them on screen like this
20.0e-6, 2.0e-6, 0.2e-6

so forcing the exponential to be -6.

I can't figure it out how to do it. I'm trying to use string(format='(e)', x) without success.

Thanks

Subject: Re: Force to print exponential to e-6
Posted by David Fanning on Fri, 14 Mar 2014 13:30:16 GMT

Doppler writes:

> I have, say an array with three numbers:
> [2e-5,2e-6,2e-7]
>
> I would like to print them on screen like this
> 20.0e-6, 2.0e-6, 0.2e-6
>
> so forcing the exponential to be -6.
>
> I can't figure it out how to do it. I'm trying to use string(format='(e)', x) without success.

I think you will probably have to write some kind of tick formatting
function:

   http://www.idlcoyote.com/tips/exponents.html

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Force to print exponential to e-6
Posted by Yngvar Larsen on Fri, 14 Mar 2014 13:41:11 GMT

On Friday, 14 March 2014 14:19:55 UTC+1, Doppler wrote:
> I have, say an array with three numbers:
>
> [2e-5,2e-6,2e-7]
>
>
>
> I would like to print them on screen like this
>
> 20.0e-6, 2.0e-6, 0.2e-6
>
>
>
> so forcing the exponential to be -6.
>
>
>
> I can't figure it out how to do it. I'm trying to use string(format='(e)', x) without success.
>
>
>
> Thanks

Here is one (ugly and nongeneral) way to do it:

```
IDL> a = [2e-5,2e-6,2e-7]
IDL> print, a*1e6, format='(3(f0.1, "e-6, "))'
20.0e-6, 2.0e-6, 0.2e-6
```

--
Yngvar