
Subject: Re: how to create a LOG array from A to B
Posted by [Mark Piper](#) on Fri, 13 Jan 2012 21:32:04 GMT
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On 1/12/2012 2:43 PM, nata wrote:

```
> I got it !
>
> a=1.5
> b=5.45
> N=20
>
> elev=INDGEN(N)*(ALOG10(b)-ALOG10(a))/(N-1)+ALOG10(a)
> elev=10.^elev
>
> PLOT, elev, REPLICATE(1,N), YR=[0,2], XR=[a,b], /XLOG, /XS, /YS,
> PSYM=7
>
> nata
```

I know I'm late with this, but several years ago I wrote a routine for just this purpose. Get it here:

<http://www.exelisvis.com/Default.aspx?tabid=1540&id=1231>

Example:

```
IDL> a = findgen_alog10(5.4, 56.8, 10)
IDL> print, a
   5.40000   7.01365   9.10950  11.8316  15.3672
19.9593  25.9237  33.6703
  43.7318  56.8000
IDL> plot, a, a, /xlog, /ylog, psym=5
```

mp
