
Subject: Re: correct way to use INTERPOLATE function

Posted by [rchughes](#) on Fri, 21 Sep 2007 21:06:13 GMT

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> Is that waht you are trying to do?

Thanks Paolo and David. That's not what I wanted to do but it did help me out to produce the plot I want. I want to create a smallarray vs. largearray plot but If I just tried to plot it, IDL will do what it does best and plot only the first N_ELEMENTS(smallarray) points. The code that I did come up with is as follows (It is very close to what Paolo had):

```
l = FINDGEN(100)*0.5
s = [10.3, 9.6, 9.2, 8.5, 7.7, 6.9, 5.8, 5.4, 4.7, 4.1]
ns = N_ELEMENTS(s)
nl = N_ELEMENTS(l)
```

```
x = FINDGEN(ns)/(ns-1)
x2 = FINDGEN(nl)/nl
```

```
z = INTERPOL(s, x, x2)
```

```
PLOT, z, l, PSYM=-6
```

Thanks for your help,
Ryan.
