
Subject: Re: python, strange result

Posted by chris_torrence@NOSPAM on Thu, 20 Aug 2015 17:51:11 GMT

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On Friday, August 14, 2015 at 9:22:50 AM UTC-6, Dae-Kyu Shin wrote:

> Here is example code

```
>
> pro test4
>
>     compile_opt idl2
>
>     x = indgen(4)
>     y = indgen(3)
>     z = indgen(4, 3)
>
>
>
>     python.run, 'from scipy import interpolate'
>     f = python.interpolate.interp2d(x, y, z)
>     print, f(x, y)
>
>
> end
>
>
>
> The output of "f" is
>    0.00000000   4.00000000   8.00000000   1.00000000
>    5.00000000   9.00000000   2.00000000   6.00000000
>   10.00000000   3.00000000   7.00000000  11.00000000
>
> What happend?
> Exact answer is "z".
```

You might need to take the transpose(z) before you pass it into interp2d. IDL is column major while Python is row major.

Cheers,
Chris
