Subject: python, strange result
Posted by Dae-Kyu Shin on Fri, 14 Aug 2015 15:22:48 GMT
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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       4.0000000       8.0000000       1.0000000
       5.0000000       9.0000000       2.0000000       6.0000000
       10.000000       3.0000000       7.0000000       11.000000
```

What happend?
Exact answer is "z".

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       4.0000000       8.0000000       1.0000000
>        5.0000000       9.0000000       2.0000000       6.0000000
>        10.000000       3.0000000       7.0000000       11.000000
>
> 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

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