
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

> 10.0000000 3.00000000 7.00000000 11.0000000

>

> 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
