
Subject: Re: lens distortion

Posted by [JD Smith](#) on Tue, 23 Sep 2003 18:38:05 GMT

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On Mon, 22 Sep 2003 04:53:14 -0700, Ale wrote:

> I tried your routine but I received this error :

>

> IDL> .COMPILE "C:\WINDOWS\Desktop\lente.pro" % Compiled module:

> PINCUSHION_CORRECT. IDL> read_jpeg,filepath('people.jpg',

> SUBDIR=['examples','data']),im,/GRAYSCALE % Compiled module: FILEPATH. %

> Loaded DLM: JPEG.

> IDL> tv,[im,pincushion_correct(im,-.15)] % Compiled module: DIST. %

> SHIFT: Expression must be a scalar in this context: <LONG Array[2]>. %

> Execution halted at: PINCUSHION_CORRECT 6

> C:\WINDOWS\Desktop\lente.pro % \$MAIN\$

>

> Perhaps I did something wrong.

You didn't upgrade your IDL ;). This works for IDL>=v5.5. Change
product(d) to d[0]*d[1], change shift(dist(d[0],d[1]),d/2) to
shift(dist(d[0],d[1]),d[0]/2,d[1]/2), and change lindgen(d) to
lindgen(d[0],d[1]). Isn't the REFORM-style dimension notation nicer?

JD
