Subject: Creating a new image from an image input in IDL
Posted by bcubeb3 on Wed, 05 May 2010 06:45:20 GMT
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After typing this line of code:
IMAGE=READ_TIFF(FILEPATH('/bin/butterfly.tiff'))
help, IMAGE

I get the output
IMAGE BYTE = Array[3, 4800, 6000]

Now I want to write a computer program to systematically loop through each of the n x n pixels of the image and to use a coordinate system in pixel units to compute new coordinates based on the formula theta_s = theta - (size parameter of your choosing in units of pixels)*theta_hat.

The vector theta_s tells me where to look in the original image to extract intensity information which will then store in my image array. I will use a bilinear scheme when assigning new intensity values that will be stored for my newly created image array theta. Now I have no idea how to even begin. I was looking for stuff online and I was looking at help manuals but all efforts proved futile. Let me know of your suggestions and I greatly appreciate your help on this.

-Barry