
Subject: Re: Finding "objects" in images

Posted by [rivers](#) on Wed, 28 Oct 1998 08:00:00 GMT

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In article <F1GFxC.Lus@midway.uchicago.edu>, rivers@cars3.uchicago.edu (Mark Rivers) writes:

>

> I am looking for code to detect "objects" in images. In this specific case I
> am looking for x-ray diffraction peaks in a CCD camera image, but the problem
> is general. I have used the IDL Erode and Dilate functions to clean up the
> data, so that I have adjacent pixels with value=1 inside the "objects" and all
> other pixels=0. I can easily make a list of all of the pixels which are
> inside the objects of interest. There might be hundreds of such pixels.
> But I want to do is to find the objects themselves which contain these adjacent
> pixels. There might only be a few such objects.

>

> I am sure there are lots of people doing this: finding cells or stars or
> whatever in images, and getting shape information about them.

To answer my own post, I found a routine which does exactly what I want at:
<http://idlastro.gsfc.nasa.gov/contents.html#C2>

It is called FIND.PRO, written by Wayne Landsman. It was designed to find stars in telescope images, but it works great for finding diffraction peaks in diffraction images.

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