
Subject: Image segmentation programs in IDL?
Posted by [Tim\[3\]](#) on Wed, 13 Dec 2006 14:39:09 GMT
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I am looking for image segmentation routines that are available in or written in IDL. I think my images are not very challenging. They have been thresholded, so that the regions I want to segment all have values of -1, and the background is +1. The boundaries are smooth. Examples of the images can be found about a third of the way down the page at <http://physics.kenyon.edu/people/sullivan/Research/CahnHilliard/> .

I am aware of the particle tracking algorithms of Crocker, Weeks, and Spalding, et al., but their problem is identifying same size circular images and my objects vary in widely size and shape.

There is one complication that I can live without at first, but would eventually need to rectify. My fields are have periodic boundary conditions, so eventually I would like an algorithm that identified as one object, an object that wraps around the top and bottom and left and right sides of the image.

If I knew anything about image segmentation, I suspect this would be easy. But I don't. Any help would be appreciated.

Tim Sullivan
sullivan@kenyon.edu
