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Subject: Re: Image segmentation programs in IDL?  
Posted by [helaha](#) on Thu, 14 Dec 2006 08:09:38 GMT  
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I think your images are already segmented. There is one value for the objects and there is a distinct value for the background. Do you want a morphological characterization of the objects, such as how irregular or rough the objects are? The seed images are very irregular evolving to target images, that are more regular.

Regards,  
Helmut

Tim wrote:

> 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  
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