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Subject: Re: Image segmentation programs in IDL?  
Posted by [David Fanning](#) on Wed, 13 Dec 2006 15:07:54 GMT  
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Tim writes:

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

Oddly enough, Karsten Rodenacker was just here for the IEPA  
Conference of Mathematical Morphologists and we spent a pleasant  
weekend walking in the mountains and talking about this very  
thing for a chapter of a book I am writing. As a result, I'm  
gung ho to start writing some programs to do just this thing.  
If you would like to send me some images, I would be happy  
to play around with this a little bit.

I can't guarantee exactly when you will see results (the  
holidays seem to slow things down, although I have spent free  
Christmas afternoons in the past working on IDL programs,  
much to the disgust of my family). But you catch me at  
a reasonably good time to work on something like this, if  
you are interested.

Cheers,

David

P.S. I think this particular problem would be fairly easy,  
looking at the images. But perhaps the article that results  
would at least give you some notion of how to approach a  
problem like this in the future.

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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