Subject: Re: tracking clusters through multiple timesteps
Posted by David Fanning on Mon, 20 Feb 2012 17:49:49 GMT
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Ian_Ashpole writes:

> I have a binary dataset (flags of cloud presence or absence) and i
> would like to find a way of tracking clusters of 1's through time,
> with an aim of finding the start point (in space and time) of the
> object, the end point, its maximum size and its trajectory. I have
> experience of using 'label_region' to identify individual objects
> within an image by pixel connectivity, but i am completely at a loss
> for correct way to move forward from here.
> I am dealing with an array of dimensions 1133,751,8832, with 8832
> being the number of timesteps i ultimately aim to work through.
> Any help, tips or advice would be hugely appreciated!

Yikes! Clouds can get bigger or smaller, blow around
to hither and gone, split apart, come together, and
do all manner of assumption sundering things. They
are Shape-shifters, right?

If it were me, I'd be thinking about going fishing
rather than working on this. :-)

Cheers,

David

P.S. Donno. If the time sequences are close
enough together I guess you could cobble something
together that looked at overlap from one image to
the next. But, I can easily think of about a thousand
things that might go wrong with this approach. :-)

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