Subject: Re: filling holes in blobs quickly
Posted by anne.martel on Tue, 16 Apr 2002 09:33:46 GMT
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You could find the connected dark region outside of the bright blobs.
Anything that doesn't belong to that region is either a bright object
or a dark hole completely surrounded by bright pixels.

```
r = search2d(mask,0,0,0,0)
if(r(0) ge 0) then begin
  mask(*)=1
  mask(r)=0
    endif
```

This assumes that [0,0] always lies outside a blob.

Anne

dmartin@chaos.ph.utexas.edu (Doug Martin) wrote in message
news:<d2bf73f3.0204151417.6e64bf7d@posting.google.com>...
> I'm sure this is a well solved problem, but:
> I'm trying to fill in holes inside of domains (blobs) quickly. The
> domains are in a binary image, and are bright.
>
> Right now, I search for dark regions - the holes (label_region);
> pick out those of a small size (histogram and where);
> and then fill them in (a FOR loop through the where values, since I
> don't know how to get where to compare to every value in a vector).
>
> This is slow, and I strongly suspect there is an intelligent way to do
> this: fill in all dark blobs up to a certain size.
>
> Thanks for any help,
>
> Doug Martin
> University of Texas at Austin