
Subject: Re: Image filtering

Posted by [gabriel rodriguez ibe](#) on Wed, 30 Jun 1999 07:00:00 GMT

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Robert B. Bohn escribií½:

> Dear Folks,
>
> I'm trying to do some blob filtering on an 8 bit B&W image (TIFF
> file). The range of the bits is 0-255.
>
> I am trying to clean up the image and remove extraneous black
> spots from white fields and vice-versa. In terms of BLOB filtering,
> I am trying to perform a "close" operation.
>
> Any suggestions how to do this with IDL?
>
> Sincerely,
>
> Bob Bohn
> email: robert.bohn@nist.gov
>
> --
> Dr. Robert B. Bohn
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A non linear filter that may apply is the MEDIAN filter. IDL has a function with the same name. That filter will eliminate the black/ white spots from a white/black surrounding WITHOUT CHANGING any other values (the ones that are supposed to be correct), provided that the errors are relatively not frequent.

Other linear filters will change the values of all pixels, and probably not eliminate the spots very clearly, unless you choose a big window, in wich case borders will get fuzzy.

In any book on image processing you will see easy to understand examples.

Hope it helps.

Gabriel
