
Subject: Re: Today's IDL Lesson

Posted by [David Fanning](#) on Tue, 19 Aug 2008 20:35:20 GMT

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David Fanning writes:

- > This would make a *perfect* object, and you
- > don't even have to save the image. All you need
- > is the REVERSE_INDICES from the Histogram and the
- > size of the image and you can easily reconstitute
- > the image if and when you need it.

As promised, I put a new object up on my web page today, named BLOB_ANALYZER to make it easier to do some of this blob processing I've been talking about. It is sort of a combination of LABEL_REGION, HISTOGRAM, FIND_BOUNDARY and FIT_ELLIPSE. It can not only get blob indices quickly, but it can perform various analysis functions on those blobs.

Having said that, this is version 0.9 I guess, as I didn't have time to incorporate some of the neat features Ben Tupper showed me in one of his similar programs. I did steal some of his best ideas, though, and I plan to incorporate more features if and when I need them. In particular, I do NOT store the actual image in my object, since I am working with large images, and I don't want to carry around this overhead. That restriction limits some of the things I can do. But if you need a feature, ask. Ben will be happy to point out how it can be done correctly. :-)

If you decide to give the Blob Analyzer a try, be sure you also download a new version of Fit_Ellipse. Previous versions of Fit_Ellipse were not thinking about memory usage, and that has become a priority for me now. So this was rewritten to have a MUCH smaller memory footprint (and a new, essential keyword).

http://www.dfanning.com/ip_tips/blobanalsis.html

http://www.dfanning.com/programs/blob_analyzer__define.pro

http://www.dfanning.com/programs/fit_ellipse.pro

Feedback is always appreciated. Just be sure to SHOUT LOUDLY. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
