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Subject: Image Classification with IDL

Posted by [gsever](#) on Thu, 13 Nov 2008 17:21:59 GMT

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Hello,

We are planning to design an IDL based program which will help us to classify cloud particles that are measured with 2DC Optical Array Probes.

To illustrate more here is one example of raw 2DC image:

<http://img139.imageshack.us/my.php?image=2dcnf3.png>

We want to be able to categorize the particles as spheres, irregulars, needles and columns, and dendrites as it is shown on this Figure (<http://ams.allenpress.com/perlserv/?request=display-figures&name=i1520-0426-17-8-1048-f01>).

There is a program implemented with Matlab (<http://www.skytechresearch.com/feedback.htm>) Since we have only IDL licensed here and that program is costly, we are going to focus on IDL.

I would like to know whether IDL is suitable for this type of jobs?  
Any libraries exist like Matlab's Image Processing Toolbox?

Any guidance or comments will be very appreciated.

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