
Subject: Re: Cluster analysis

Posted by [David Foster](#) on Mon, 09 Mar 1998 08:00:00 GMT

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Alex Schuster wrote:

>
> John Dickson wrote:
>
>> I have a 3D image array containing a series of clusters of pixels
>> of value 1, in a sea of value zero pixels.
>>
>> Has anyone an idea on how to produce an algorithm to count the
>> number of pixels in each of these clusters?
>
> Are the clusters connected? If not, I would look at the SEARCH3D
> routine.
>
> If you need more than that, maybe the routines NN_LEARN and NN_CLUST
> could help, this is an implementations of the k-means cluster analysis.
> I don't recall where I got them from, they were a bit hard to find, so
> if anyone is interested, just ask me and I mail them.
>
> Alex

If you haven't found what you need, email me and I will dig up a
C routine that does exactly what you need. It orders the clusters
in decreasing size, and assumes that they are NOT connected. It is
much faster than search3d.pro .

Dave

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