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Subject: Grouping adjacent detected pixels?

Posted by [grunes](#) on Mon, 28 Aug 1995 07:00:00 GMT

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I have an image of "detected" points--

True for pixels meeting some detection criteria (such as brightness).

False otherwise.

I wish, using WAVE or IDL, to:

1. Group together adjacent detected pixels.

If I want to get fancy, I might try to group together detected pixels which are within a specific distance of touching.

2. Get a something like a structure back, each element of which describes one such group. Each element would be an array of the coordinates of the pixels in the adjacent group.

Can anyone think of an EFFICIENT way to do this that does not involve a massively slow loop which loops once for each detected pixel?

(There are many, many detected points, and IDL/WAVE are rather slow at loops.)

Thanks in advance for your response.

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