
Subject: connected component labeling problem in a graylevel image without background

Posted by [Julia](#) on Fri, 11 Oct 2002 04:07:31 GMT

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Hi, there,

I have a problem here:

" The problem is like a grayscale photograph of a jar of marbles. Each marble is uniformly gray. All the marbles are touching each other, so there is no background. Two marbles of the same color may not belong to the same region.

I want to give a unique label to each marble/region."

Now I am solving this problem in this way:

First, use WHERE or HISTOGRAM to get a mask of regions at each gray level, and then use LABEL_REGION on each mask.

However, this method is not efficient since it needs to scan the image for several times.

Can I do it only in a raster scan of the image?

Any suggestion will be appreciated,

Julia
