Subject: object searching in an image
Posted by woellik on Mon, 22 May 1995 07:00:00 GMT
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Hi there,

I am looking for a method for doing object finding in a gray scaled picture. The search-object is well known (size, shape and brightness), but in the given image, it can differ from it. This is because of little shaddow effects, noise or dirty parts on the object, or even hidden and joined parts.
My solution now (and it has a very good functionality) is to operate with a lot of histograms, continued with similar edge detecting. The disadvantage is the computed time: One object with, say 20*20 pixel in a 300*200 image needs more than 2 minutes to find!

My question now: Is there any good and FAST algorithm for doing this job? (I heard from the Normalized-Correlation-Search-Technique, but I do not know more about it...)
I also wonder about any books/papers with this topic.

Thanks.

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Woellik Helmut woellik@mhi.tu-graz.ac.at
Institut fuer Foerdertechnik TU-GRAZ
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