
Subject: Re: find rotation between two images
Posted by [helaha](#) on Fri, 10 Sep 2004 09:02:12 GMT
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tbeetz@yahoo.com (Tobi) wrote in message
news:<7f0cc27.0409011354.45cce42f@posting.google.com>...
> i have several images where i would like to find the rotation and
> shift compared to a reference image. i use an alignment routine to
> seperate the shifting part. however, there is still the remaining
> problem of image rotation. is there a routine available? thanks!

I have developed an image processing tool IQM and there is an alignment feature "Align stack". The first image of an image stack is centered in the middle of the image (simply by shifting the centroid). The subsequent images are aligned by three steps of shifts and rotations (each step consists of up to 100 shifts and 100 rotations). For each step an actual shift and rotation, which minimises the statistical error is chosen. For large images, the calculation times are therefore quite long.
If you are interested, look at
<http://www.uni-graz.at/people/ahammer/IQM/index.htm>

Regards,
Helmut Ahammer
