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Subject: moving an image before another

Posted by [Thomas Nehls](#) on Tue, 17 Jul 2007 20:28:25 GMT

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Hi,

I want to do the following, may be you can give me a hint where to look, what command to look up.

I have two images from x-ray imagery both showing the same soil sample. The two images are photographed at different wavelengths. Iron, however has a strong signature. Now I can see similar iron patterns on the images.

Because of the different wavelengths, the images differ a bit.

Now the problem: The images do not show the same part of the sample, but the overlaying is quite high. AND: may be the images are distorted, one to another.

I thought about doing the following: put one of the images in the back, the other before it, than I subtract the fore from the back. Than I collect the sum of squares.

Then, I would like to move the fore image one pixel to the right and do the same again, after that I go one row down and so on.

So I hope to find the best overlying position...

If the whole thing is distorted, the error function would have two peaks...

How to move one image before another?

Thanks in advance

Thomas

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