
Subject: fft application?

Posted by [bin_zheng_99](#) on Fri, 02 Aug 2002 14:46:26 GMT

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Hi, All,

I try to do template matching using IDL and I run the IDL code:

```
...  
img4 = rotate (img3, 2)  
Result = float (fft(fft(img) * fft(img4),/inverse))  
...
```

based on the code used in Matlab image processing toolbox:

```
C = real(ifft2(fft2(bw) .* fft2(rot90(a,2),256,256))); (bw, a are  
two images)  
the max(C) is 51.
```

But on IDL55 the Max value is 0.00013. I use the same images as in the Matlab.

So, I wonder are there some serious differences between the fft in IDL and in Matlab? How can I improve my program to get good result?

Thanks very much for any suggestions, ideas, or help,

Helen
