
Subject: Re: fft application?

Posted by [Don J Lindler](#) on Fri, 02 Aug 2002 17:18:31 GMT

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"helen" <bin_zheng_99@yahoo.com> wrote in message
news:958f2cda.0208020646.3112c408@posting.google.com...

> 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

Try

```
Result = float (fft(fft(img) * fft(img4),/inverse))*n_elements(img)
```

Don
