
Subject: Re: Again an FFT question

Posted by [lecacheux.alain](#) on Wed, 27 Jun 2012 16:45:46 GMT

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On 27 juin, 18:45, alx <lecacheux.al...@wanadoo.fr> wrote:

> On 27 juin, 18:33, David Fanning <n...@idlcoyote.com> wrote:

>

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>> alx writes:

>>> You can use the /CENTER keyword in FFT function since IDL7.1

>

>> Well, it was *present* in IDL 7.1. I don't think

>> it actually worked until later.

>

>> Cheers,

>

>> David

>

>> --

>> David Fanning, Ph.D.

>> Fanning Software Consulting, Inc.

>> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>

>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

>

> ?

> IDL> print,fft(cos(2*!pi*findgen(16)/16*3))

> (5.06635e-008, 0.000000)(8.06580e-008, 3.52675e-008)

> (-9.04610e-009, 2.63418e-008)(0.500000, 1.28007e-007)

> (-9.08976e-008, 1.49012e-008)

> (-2.65443e-008,-1.35536e-008)(1.20273e-008, 2.63418e-008)

> (-7.60014e-008,-9.51177e-008)(1.25169e-007, -0.000000)

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> (1.20273e-008,-2.63418e-008)(-2.65443e-008, 1.35536e-008)

> (-9.08976e-008,-1.49012e-008)(0.500000,-1.28007e-007)

> (-9.04610e-009,-2.63418e-008)

> (8.06580e-008,-3.52675e-008)

> IDL> print,fft(cos(2*!pi*findgen(16)/16*3),/CENTER)

> (1.25169e-007, -0.000000)(-7.60014e-008, 9.51177e-008)

> (1.20273e-008,-2.63418e-008)(-2.65443e-008, 1.35536e-008)

> (-9.08976e-008,-1.49012e-008)

> (0.500000,-1.28007e-007)(-9.04610e-009,-2.63418e-008)

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> (1.20273e-008, 2.63418e-008)
> (-7.60014e-008,-9.51177e-008)
> Both statements give expected results: i.e. non zero values at
> positions 3 and 13 (CENTER=0) or 5 and 11 (CENTER=1).
> alx.

I forgot to say, by using 8.2.
alx.
