
Subject: Re: how do you zero-pad FFTs in IDL?

Posted by [Amara Graps](#) on Wed, 25 Jun 1997 07:00:00 GMT

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Paul Woodford wrote:

>

> Is there a quick method to zero-pad an FFT in IDL? For example,
> in matlab you can write `fft(x,256)` to zero-pad the FFT to 256
> elements.

I don't know of a quick way, but this will work to pad an array to
the next 2^n length: (I would be interested in even shorter
ways.. anybody?)

```
x = findgen(1000) ;want to zero-pad this to 1024 length
n_work=2L^(fix(alog(n_elements(x))/alog(2))+1)
pad=fltarr(n_work-n_elements(x))
x = [x,pad]
```

Then FFT the x array.

Amara

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"Never fight an inanimate object." - P. J. O'Rourke
