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Subject: question relating to FFT

Posted by [Hu](#) on Mon, 02 Mar 2009 18:26:59 GMT

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Hi, there

I try to use FFT function to smooth a curve (an array), and the code is like this:

```
FUNCTION FOURIER,ARRAY ;*****FAST FOURIER FLITER
  FILTER=1.0/(1.0+DIST(152)/4.0)^2
  newARRAY=FFT(FFT(ARRAY,-1)*FILTER,1)
  RETURN,newARRAY
END
```

when I got an array X (has 152 elements) and use this function like :

Y = FOURIER(X)

I got an result Y with 152 elements, but all the elements are complex number, but How can I got an array filled with regular number, not complex number?

I mean, I want to use the result to calculate regression relationship with other array.

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