
Subject: FFT-bug???? (PV-Wave)

Posted by [Franz.Dollinger](#) on Tue, 18 Nov 1997 08:00:00 GMT

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Hi,

is have some problems with PV-Waves's FFT-routines.

I used the FFT routines (FFT, FFTCOMP, DCMPLXFFT) to transform a complex signal from frequency to time domain and compared the results to the output of our established Fortran programs.

The absolute value is identical for Fortran and PV-Wave, but the phase of the PV-Wave output is wrong.

Is there a bug in the routines or are there any tricks when evaluating the phase of and FFT'd signal in PV-WAVE?

When doing the comparison, identical windowing functions have been used (Blackman-Harris). I used /Backward.

bye
Franz

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Standard->disclaimer

(You didn't really think the opinions expressed herein
are in any way related to my employer?)
