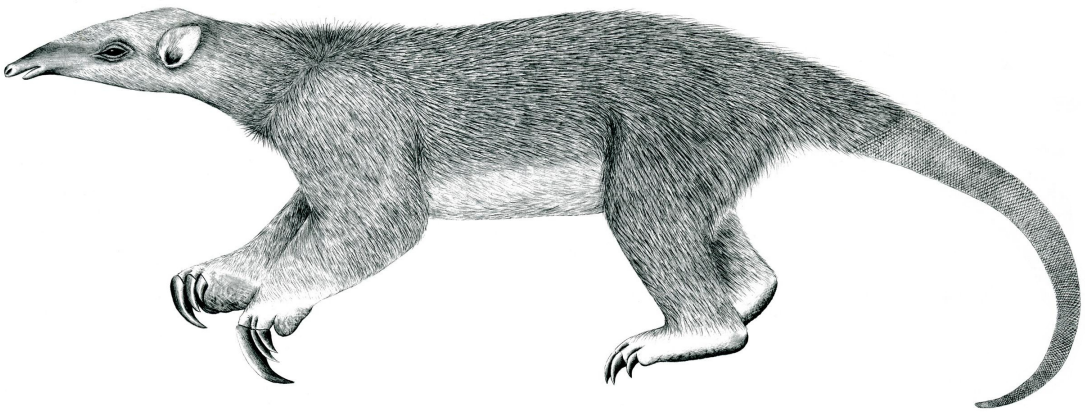
Tranalyzer2

dfft

Discrete Fast Fourier Transform



Tranalyzer Development Team

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1.1 Description

The dfft plugin performs Discrete Fast Fourier Transform on packet signals.

1.2 Dependencies

1.2.1 Other Plugins

This plugin requires the `nFrstPkts` plugin.

1.3 Configuration Flags

The following flags can be used to control the output of the plugin:

Name	Default	Description	Flags
`DFFT_F`	1	Algorithm: 0: DFT, 1: FFT	
`DFFT_N`	16	Number of complex imput samples	

1.4 Flow File Output

The dfft plugin outputs the following columns:

Column	Type	Description	Flags
`dfftStat`	H8	Status	
`dfftF`	R	real_imag	

1.4.1 dfftStat

The `dfftStat` column is to be interpreted as follows:

dfftStat	Description
0x01	FT successful
0x02	—
0x04	—
0x08	—
0x10	Num input < N
0x20	Input clipped to N
0x40	—
0x80	—

1.5 Plugin Report Output

The following information is reported:

- Aggregated `dfftStat`