

GNU Radio Companion: Tutorial 5

GNU Radio Companion: Tutorial 5 - Introduction to DSP with GRC. FFT, phase calculation, vectors, and GNU plot.

<https://www.youtube.com/watch?v=GJKbD--MsLM>

GRC Tutorial 5

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Time-based Table of Contents:

02:00 FFT

02:55 Stream to Vector

04:55 Vector to Stream

05:35 Skip Head

05:45 Selecting the FFT bin of interest

07:16 Keep 1 in N

08:32 Complex to Mag & Complex to Arg

08:56 Virtual Sink/Source

10:00 Subtract

10:25 Demo

13:47 Hack #1: Using FFT Plot to graph an arbitrary signal

16:04 Hack #2: Graphing FFT on a Scope Sink

17:20 Multiply Const in vector mode

18:02 Add Const in vector mode

18:46 Log10

19:27 Demo of using synchronisation pulse with Scope Sink

22:45 Stream Mux

23:44 Save FFT with File Sink

25:24 FFT dump file conversion

26:24 Graphing FFT using GNU Plot