

# GNU Radio Companion: Tutorial 2

GNU Radio Companion: Tutorial 2 - Communication signal basics. Hysteresis, noise, thresholds, and bit error rate.

<https://www.youtube.com/watch?v=LzgDZytr7no>

## GRC Tutorial 2

GNU Radio Companion: Tutorial 2 - Communication signal basics. Hysteresis, noise, thresholds, and bit error rate.

Time-based Table of Contents:

00:00 #1: Hysteresis

00:04 Threshold

00:37 Adding Gaussian Noise Source and Constant value

01:57 Grid Position & Window Size

02:12 #1 Demo

05:27 Single use of Throttle

09:17 #2: BER test (GLFSR source, biased random bit flips)

09:26 GLFSR Source

10:00 Error Rate

11:13 XOR for corrupting input data

12:19 Uniform Noise Source

12:56 Number Sink

13:59 Float To Char

14:28 #2 Demo

17:45 Selector