

Options

ID: default
Title: FSK_Modulation
Author: Camila Vinza
Copyright: @CamiVinza
Output Language: Python
Generate Options: QT GUI

Variable

ID: rb
Value: 32k

Import

ID: import_0
Import: np

Variable

ID: fsk_deviation
Value: 500

Import

ID: import_0_0
Import: math

QT GUI Range

ID: delay
Label: Retardo
Default Value: 96
Start: 0
Stop: 250
Step: 1

Random Source

ID: analog_random_source_x_0
Minimum: 0
Maximum: 2
Num Samples: 1k
Repeat: Yes

Repeat

ID: blocks_repeat_0
Interpolation: 100

Char To Float

ID: blocks_char_to_float_0
Scale: 1

Constant Source

ID: analog_const_source_x_0
Constant: 1

Virtual Sink

ID: virtual_sink_0
Stream ID: tag1

Subtract

ID: blocks_sub_xx_0

Virtual Sink

ID: virtual_sink_0_0
Stream ID: tag2

Inversor de la Señal

QT GUI Time Sink

ID: qtgui_time_sink_x_0
Number of Points: 512
Sample Rate: 32k
Autoscale: Yes

Virtual Source

ID: virtual_source_2
Stream ID: fsk_demodulada

Delay

ID: blocks_delay_0
Delay: 96

Add

ID: blocks_add_xx_0

Virtual Sink

ID: virtual_sink_2
Stream ID: fsk_modulada

Multiply

ID: multiply1

Multiply

ID: multiply2

Virtual Source

ID: virtual_source_0
Stream ID: tag1

Signal Source

ID: primera_portadora
Sample Rate: 32k
Waveform: Cosine
Frequency: 2k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0

PORTADORA 1: 2Khz

Virtual Source

ID: virtual_source_0_0
Stream ID: tag2

Signal Source

ID: segunda_portadora
Sample Rate: 32k
Waveform: Cosine
Frequency: 1k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0

PORTADORA 2: 1Khz

Virtual Sink

ID: virtual_sink_1
Stream ID: fsk_demodulada

Char To Float

ID: blocks_char_to_float_1
Scale: 1

Binary Slicer

ID: digital_b...y_slicer_fb_0

Quadrature Demod

ID: analog_qu...re_demod_cf_1
Gain: 10.1859

Frequency Xlating FIR Filter

ID: freq_xlat..._filter_xxx_0
Decimation: 1
Taps: firdes.low_pass(1,r...
Center Frequency: 1.5k
Sample Rate: 32k

Virtual Source

ID: virtual_source_1
Stream ID: fsk_modulada

INICIO DEMODULACIÓN