

Options

Title: Transmitting_Signal
Author: David Venegas
Description: Simul...Receiver
Output Language: Python
Generate Options: QT GUI

Variable

Id: samp_rate
Value: 32k

Variable

Id: sps
Value: 4

Variable

Id: excess_bw
Value: 350m

Random Source

Minimum: 0
Maximum: 255
Num Samples: 10k
Repeat: Yes

Constellation Modulator

Constellation: <con... (m=4)>
Differential Encoding: Yes
Samples/Symbol: 4
Excess BW: 350m

Constellation Rect. Object

Id: QPSK
Symbol Map: 0, 1, 2, 3
Constellation Points: ...07mj
Rotational Symmetry: 4
Real Sectors: 2
Imaginary Sectors: 2
Width Real Sectors: 1
Width Imaginary Sectors: 1

Throttle

Sample Rate: 32k

Decimating FIR Filter

Decimation: 1
Taps: root_raise_cosine

Variable

Id: root_raise_cosine
Value: firdes.root_raised_...

QT GUI Frequency Sink

FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 32k

QT GUI Time Sink

Number of Points: 200
Sample Rate: 32k
Autoscale: No

QT GUI Constellation Sink

Number of Points: 4.096k
Autoscale: No