

Options
Title: Real and...lex signals
Output Language: Python
Generate Options: QT GUI

Variable
ID: samp_rate
Value: 100k

QT GUI Range
ID: freq
Default Value: 5.1k
Start: -100k
Stop: 100k
Step: 50m

QT GUI Constellation Sink
Name: Complex constellation
Number of Points: 1.024k
Autoscale: No

QT GUI Time Sink
Name: Complex signal
Number of Points: 256
Sample Rate: 100k
Autoscale: No

QT GUI Frequency Sink
Name: Complex signal spectrum
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 100k

Signal Source
Sample Rate: 100k
Waveform: Cosine
Frequency: 5.1k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0

Throttle
Sample Rate: 100k

Complex Conjugate

Add

Multiply Const
Constant: 500m

QT GUI Constellation Sink
Name: Real constellation
Number of Points: 1.024k
Autoscale: No

QT GUI Time Sink
Name: Real signal
Number of Points: 256
Sample Rate: 100k
Autoscale: Yes

QT GUI Frequency Sink
Name: Real signal spectrum
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 100k

cmd

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