

**Options**  
**Title:** Not titled yet  
**Author:** sv1bds  
**Output Language:** Python  
**Generate Options:** QT GUI

**Variable**  
**ID:** samp\_rate  
**Value:** 32k  
**Import**  
**Import:** np

**QT GUI Range**  
**ID:** delay  
**Label:** Delay  
**Default Value:** 0  
**Start:** -32  
**Stop:** 32  
**Step:** 1

**Signal Source**  
**Sample Rate:** 32k  
**Waveform:** Cosine  
**Frequency:** 1k  
**Amplitude:** 1  
**Offset:** 0  
**Initial Phase (Radians):** 0

cmd

out

**Delay**  
**Delay:** 0

dly

out

**Signal Source**  
**Sample Rate:** 32k  
**Waveform:** Cosine  
**Frequency:** 1k  
**Amplitude:** 1  
**Offset:** 0  
**Initial Phase (Radians):** 0

cmd

out

**Divide**

in0

in1

out

**Complex to Arg**

in

out

**Throttle**  
**Sample Rate:** 32k

in

out

**QT GUI Number Sink**  
**ID:** qtgui\_number\_sink\_0  
**Autoscale:** No  
**Average:** 0  
**Graph Type:** None

**Subtract**

in0

in1

out

**Complex to Imag**

in

out

**Divide**

in0

in1

out

**Add**

in0

in1

out

**Complex To Real**

in

re

**Keep 1 in N**

out

in

**atan**

in

out

**Multiply Const**  
**Constant:** 2

in

out

**QT GUI Number Sink**  
**ID:** qtgui\_number\_sink\_0\_0  
**Name:** monopulse  
**Autoscale:** No  
**Average:** 0  
**Graph Type:** None

