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Pulse Shaping

Time and frequency representation of the following signals: - Rectangular pulse. - Sinc. - Rised cosine. - Square root rised cosine (for Rx and Tx).

```
clc; clear; close all;
```

Parameters

FIR filters

```
rect = Modulator.rect_pulse(L, nTaps);
sinc_p = Modulator.sinc_pulse(L, nTaps);
rc = Modulator.rc_pulse(alpha, L, nTaps);
srrc = Modulator.srrc_pulse(beta, L, nTaps);
srrc = conv(srrc, srrc, "same"); % Apply two filters, Rx and Tx.
Scope.plot_fir_filter(rect, Title="Rectangular pulse");
Scope.plot_fir_filter(sinc_p, Title="Sinc pulse");
Scope.plot_fir_filter(rc, Title="Rised cosine");
Scope.plot_fir_filter(srrc, Title="Square root rised cosine");
```





