TD Machine TNA:

Polyphase filters

- 1-/Design filter that verify the our objective of Signal to Alias Ratio of around 100dB for a resampling of 3
- 2-/Implement a polyphase filter for a decimation rate of 3. Compare to the transverse implementation.
- 3-/ Implement a polyphase filter for a interpolation ratio of 3. Compare to the transverse implementation.
- 4-/ Implement a polyphase filter for an interpolation ratio of 3/2.Compare to the transverse implementation.

Tips: You may use the functions firpm (or remez for octave users), reshape, and the way to make a vector a column is a(:).