Indian Institute of Science

 $\mathrm{E}9-252\mathrm{:}$ Mathematical Methods and Techniques in Signal Processing

Instructor: Shayan G. Srinivasa Homework #4, Fall 2017

PROBLEM 1:

Solve problems 4.2, 4.12 and 4.14 from P. P. Vaidyanathan's book.

PROBLEM 2:

Devise an efficient architecture to exploit the mirror/symmetric properties of polyphase components in decimation and interpolation filters.