

Assignment R2

Due Date: To be announced during the lectures and posted on the course web page.

Note: Problems identified only by number (e.g., A.1, 2.1, etc.) can be found in the coursepack textbook. More specifically, Problem $x.y$ can be found in the coursepack textbook at the end of chapter/appendix x .

Preamble

This assignment covers material primarily related to the following: **multirate filter banks**.

Problems

- ◇ 3.15 b [polyphase matrices to analysis/synthesis filters]
- ◇ 3.16 b [analysis/synthesis filters to polyphase matrices]
- ◇ 3.28 a [flatten tree structured filter bank]
- ◇ 3.25 b f [find synthesis filters for PR (polyphase domain)]