

Homework Assignment no. 4

RESOLUTION OF REFINED FILTER BANK METHODS

Deadline: October 3

This fourth homework is based on **Exercise C5.11**. For your convenience code for the different spectral estimators can be downloaded at <http://www.prenhall.com/stoica>. Make sure that you use these functions correctly (Use “`help`”. If still in doubt how to use the functions, try by inspecting the code directly.). Your solutions should be put into one of the two boxes marked *Inlämnings Uppgifter* on the second floor of the Department of Systems and Control (House 8).

The instructions for **Exercise C5.11** are straightforward. The data sequence used is noiseless. Present the results by plotting the estimates using the two different methods in a superimposed (overlaid) manner for easier comparison but use only one set of the parameters $\{\alpha, N\}$ in each plot. Use `subplot` for plotting multiple plots per page, this to provide a better overview. As with the other homeworks, the discussion around the result is an essential part of the assignment.