Welcome to the Matlab software supporting Doh Fourier.

The Matlab is arranged to be as simple as possible. In that way it should last and be transportable. It has been written on a basic version of Matlab which invokes a minimal number of packages (just symbolic and signals trying to avoid subscription costs).

There is no sophistication here and this code is neither a guide to style nor optimisation. It's aimed to show you that you can get Fourier working, quite easily. The code has been arranged so that you can just type SectionN_M in Matlab (or cut and paste the code) to run each section and generate all the material in the book. It is stored as Sections, and the separate components are to be found between the %%%% comments. By this the book is reproducible sincle most of the Figures (except in Chapter 6) can be regenerated. It also means you can play with parameter settings and you are most welcome to. Note that if you choose the wrong values for parameters, then techniques can most certainly fail. This material has been written to help you, and Fourier is a tool is not a panacea. This Matlab code is certainly not a good example of software engineering either.

If you want to reuse this code in your own work, you are most welcome, and please make a citation to D'oh Fourier. There is actually a lot more than is in the book - especially for checking of the code and the results it provides. We accept no liability for any deployment or use of this software. This software has been written only to support D'oh Fourier.

Enjoy! Please send any comments to msn@ecs.soton.ac.uk. If you want to make a GUI, go ahead. Send it to me too. If I find it works and I like it, with your permission I'll include it on the site for download.

Best wishes, Mark