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Under code, you download several MATLAB routines that can be used to simulate adaptation over networks. After downloading the file, there are three steps to follow to run the GUI:

1. Open MATLAB
2. In "current folder", choose **gui_diffusion folder**.
3. In "command window", type "**run gui_simulation.p**"

Each file has comments explaining what it does.

The material from the book A. H. Sayed, ***Adaptation, Learning, and Optimization over Networks*** (NOW, 2014) complements these files.

Under gui, you download a GUI interface that you can use to simulate and visualize different network scenarios including simulations of swarming and tracking. The GUI will continue to be under development with the intention of adding more features.

Please excuse imperfections.

Acknowledgement. MathWorks Inc., 24 Prime Park Way, Natick, MA 01760-1500, USA.