

Unit 2: Transfer Function Analysis of Dynamic Systems

This unit has been adapted from the MATLAB curriculum module [Transfer Function Analysis of Dynamic Systems](#) ([Allie, 2024]).

Additional background material is available in Units [3](#) and [4](#) of the lecture notes for [EG-150 Signals and Systems](#) ([Jobling, 2024])

You can run the original MATLAB LiveScripts by visiting [Transfer Function Analysis of Dynamic Systems](#) and following the link to **Open in MATLAB Online**.

This will install a project called

`Repositories/Transfer-Function-Analysis-of-Dynamic-Systems` on your MATLAB Drive. If you have the *MATLAB Connector* installed (see instructions on [Canvas](#)) the project will be automatically synced to your desktop.

Run the project by finding and opening the file `TransferFunctions.prj`.

The notes and the lab that follow are based on this project and some of the exercises, activities and homework problems need it to be available.

- [Unit 2.1 Laplace transforms and LTI systems](#)
- [Unit 2.2: Transfer Function Basics](#)
- [Unit 2.3: Pole-Zero Analysis](#)
- [Lab 2: Frequency Domain Analysis](#)