

Flowchart

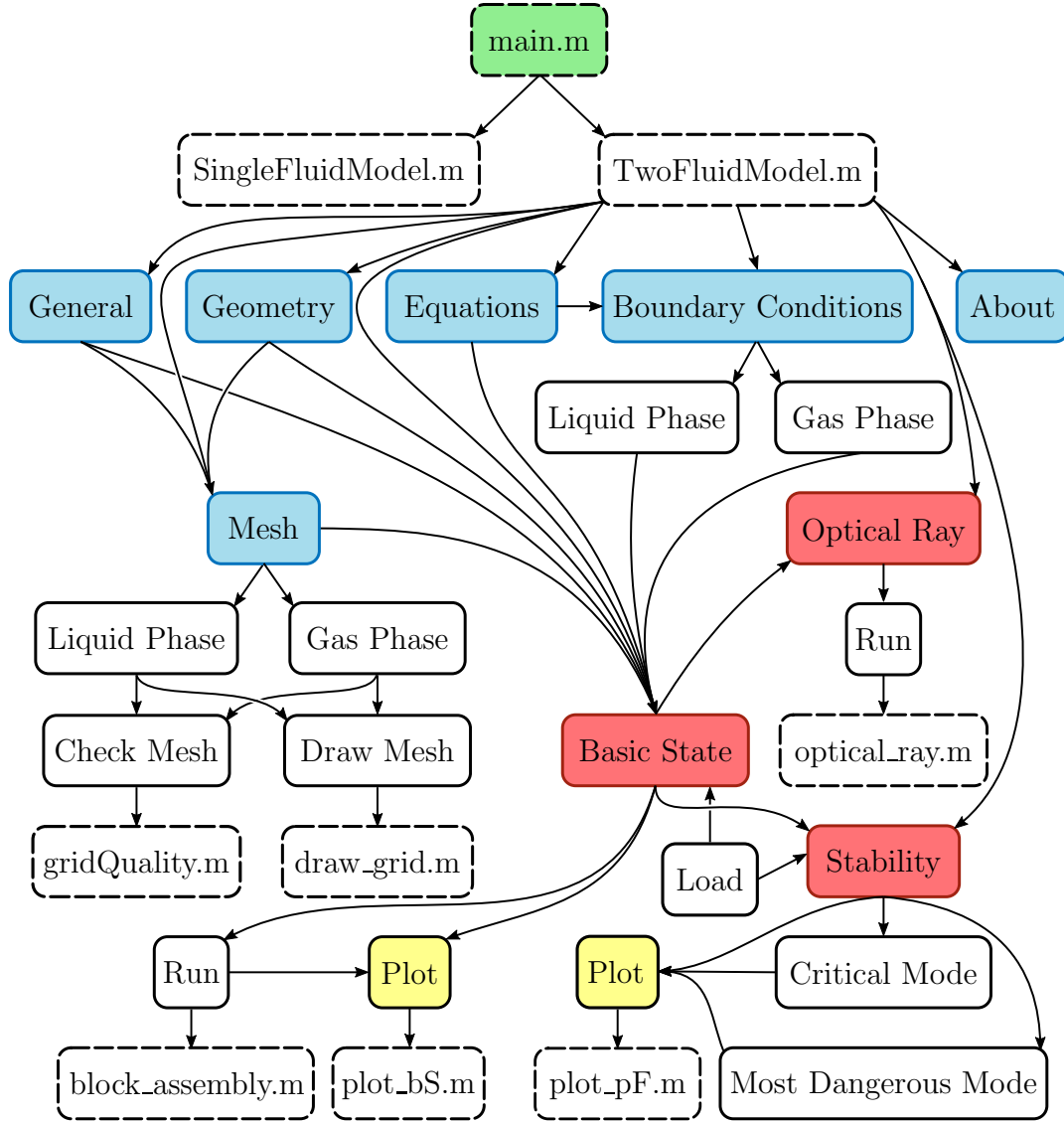


Figure 1: Flowchart of MaranStable, only shown for the two-fluid model. For the single-fluid model, the flowchart is formally identical apart from the missing ‘Gas Phase’. The four macro-modules are coded by color. Green: solver selection (i). Blue: initialization (ii). Red: simulation (iii). Yellow: visualization and post-processing (iv). Colored frames (blue and red) constitute the main tabs of the GUI. Black full frames indicate subordinated tabs or buttons. Black dashed frames represent source files.