MAIN.m

(1) Defines the main wing design and simulation parameters: **wingDesignAndSimParameters.m**

(2) Generates the wing structure model: **generateWingModelStructure.m**

(3) Generates the wing aerodynamics model: **generateWingModelAero.m**

ROM.m

ObtainSnapshots.m

Computes flexible wing impulse response using **runFSI.m** and stores snapshots

snapshots

ROMsim.m

Computes different ROMs and runs reduced FSI using **runFSI_ROM.m**

(1) **Obtain_aDMDc_model.m**

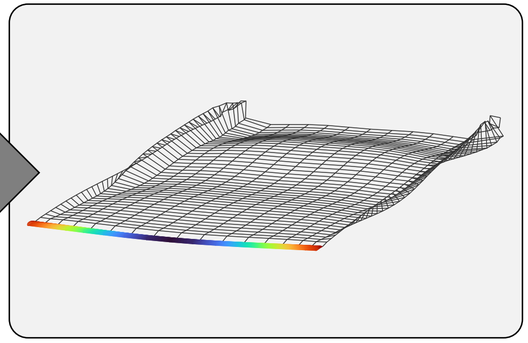
(2) **Obtain_IODMD_model.m**

(3) **Obtain_BMD_model.m**

runFSI.m

Solves the fluid structure interaction problem, coupling a finite element code with a 3D unsteady panel method

output



runFSI_ROM.m

Solves the fluid structure interaction problem using a reduced-order model

output