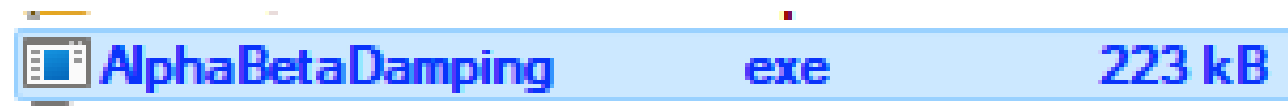
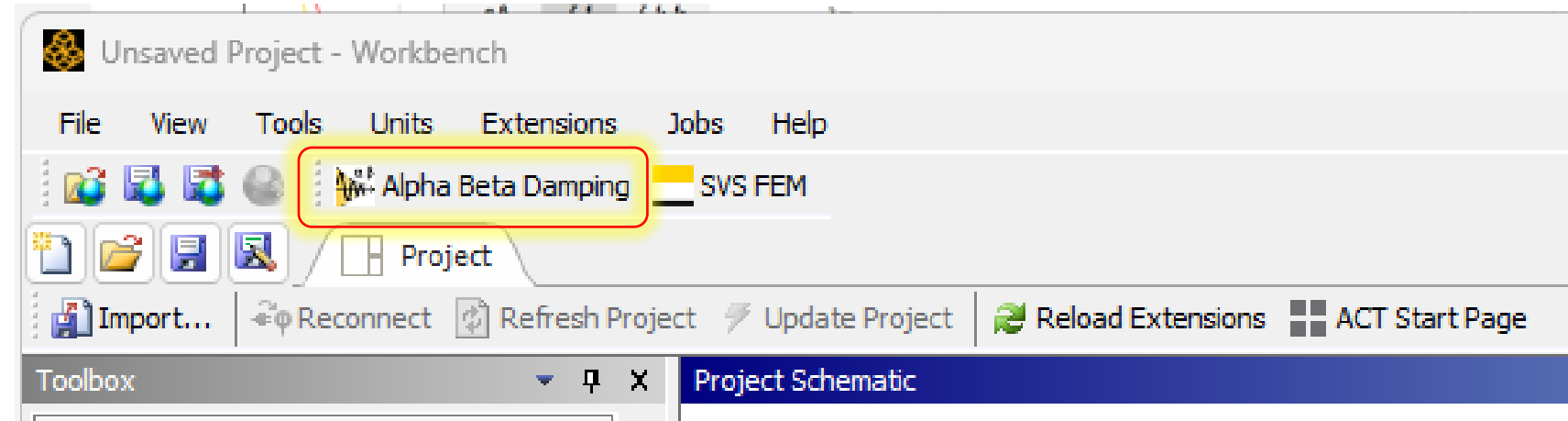


SVS FEM – Alpha Beta Damping - Run

Run

- use “Alpha Beta Damping” button in Workbench Project, Mechanical
- use “AlphaBetaDamping.exe” file to run directly from Windows

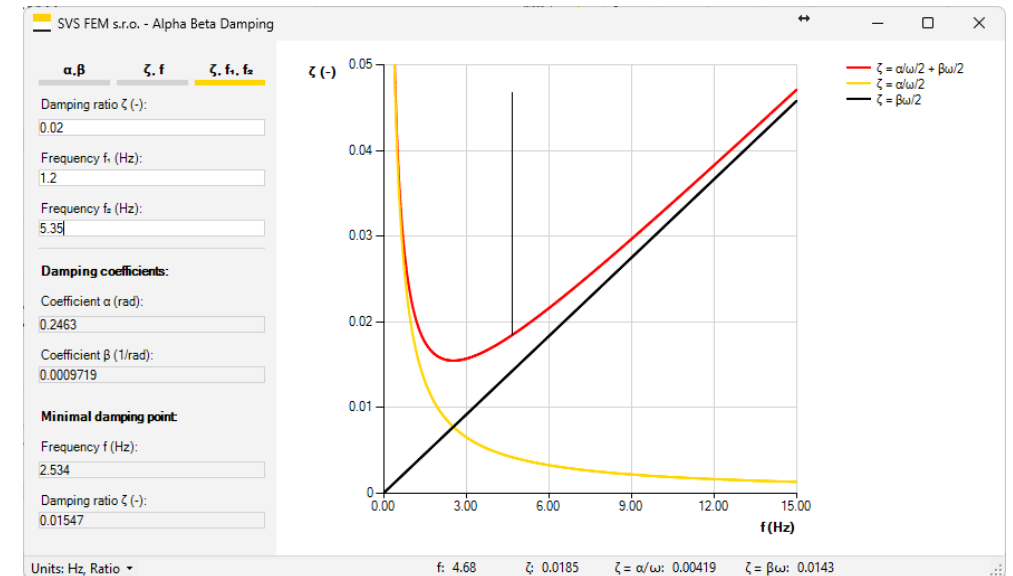
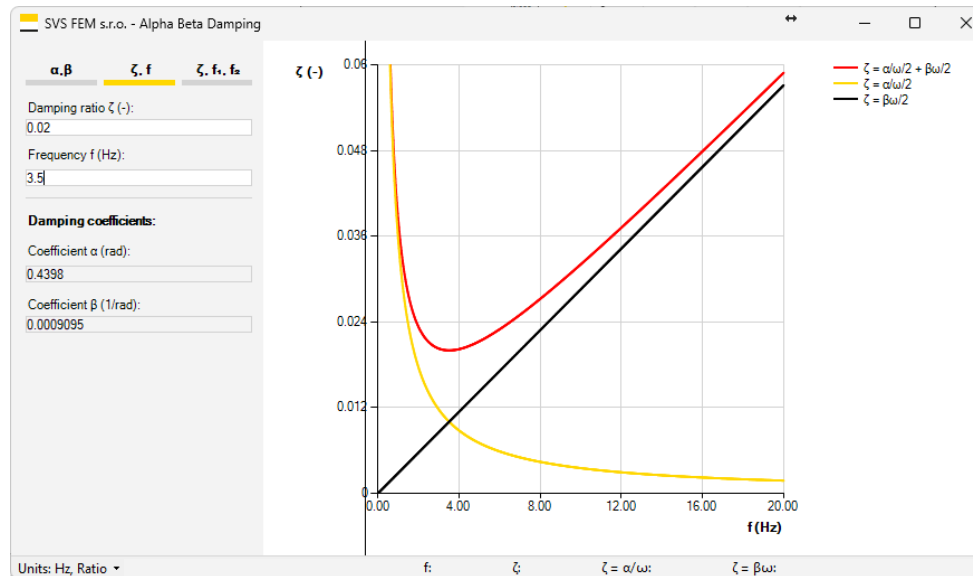
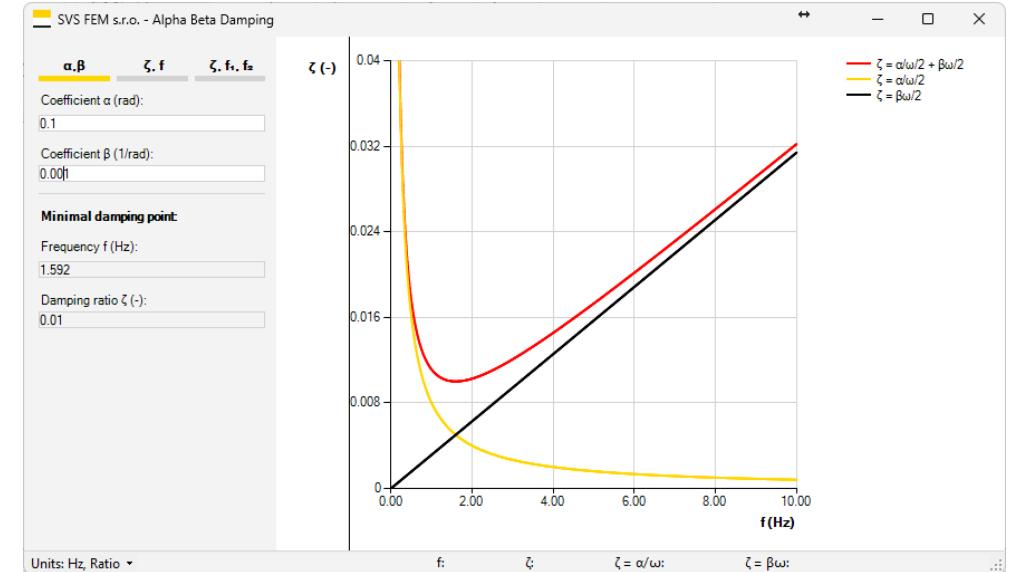




SVS FEM – Alpha Beta Damping - Features

Features - Damping

- shows chart of damping ration and its alpha/beta parts
- computes alpha/beta coefficients based on minimal damping ratio point
- computes alpha/beta coefficients based on two frequencies

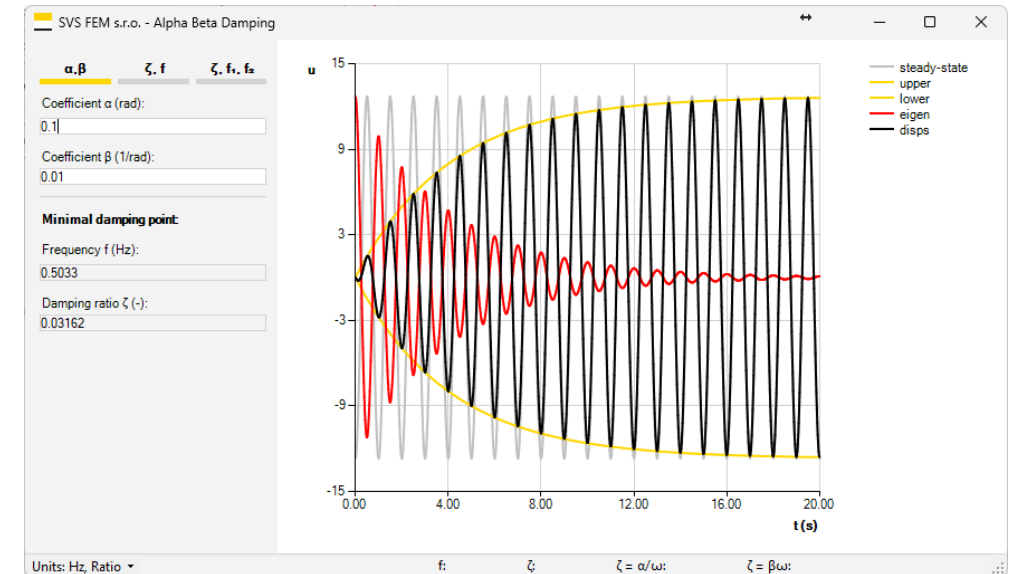
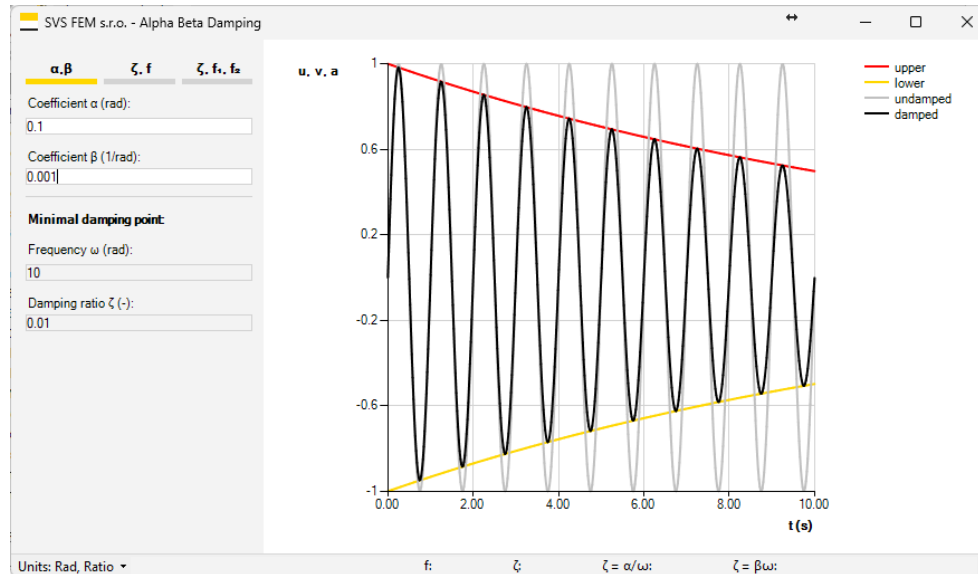
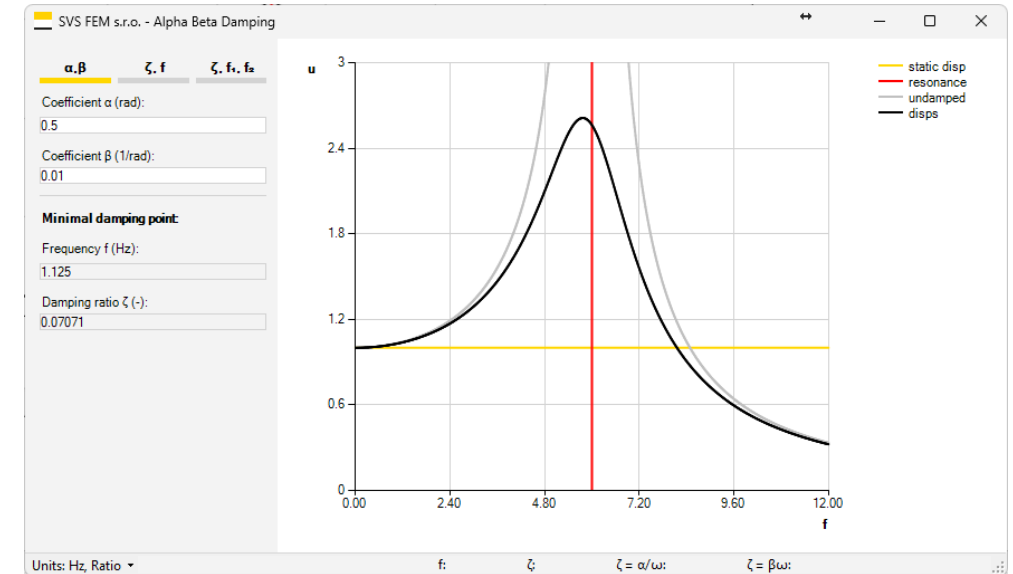




SVS FEM – Alpha Beta Damping - Features

Features - Response

- chart: Free-Damped Vibration
 - time history chart of eigen (non-forced) damped vibration of 1DOF with given initial amplitude
- chart: Harmonic Response
 - staty-steate amplitude/frequency chart of harmonical forced 1DOF
- chart: Transient Response
 - time history chart of harmonical forced 1DOF involving initial transient effect





SVS FEM – Alpha Beta Damping - Verification

