CIEM5110-2: FEM, workshop 8.1

Hammer test with pyJive

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Reproducing the hammer test with `FrameModel`

Set up mesh, node groups, properties and boundary conditions matching the experiment

Get vibration modes with `ModeShapeModule`. Try different BCs and compare with experiments

Use the provided load signal with `timeSignal` of `NeumannModel`

Solve the dynamics problem using `NewmarkModule`. Experiment with numerical damping

Use `AccelerationModule` to get a time history of accelerations and compare with experimental results