

Numerical Tours of Computational Mechanics with FEniCS

Bleyer, Jeremy

Webpage: <http://comet-fenics.readthedocs.io/en/latest/intro.html>

These numerical tours will introduce you to a wide variety of topics in computational continuum and structural mechanics using the finite element software FEniCS. Many covered topics can be considered as standard and will help the reader in getting started with FEniCS using solid mechanics examples.

Other topics will also be more exploratory and will reflect currently investigated research topics, illustrating the versatility of FEniCS.

The full set of demos can be obtained from the *COmputational MEchanics Toolbox* (COMET) available at <https://gitlab.enpc.fr/jeremy.bleyer/comet-fenics>.