

NEWTON
Multiphysics coupling master code
Developer's manual

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June 16, 2017

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Preface

Newton is a master code that solves explicit and implicit coupling in nonlinear calculations. It was designed with a general purpose. For example, it can be used in multiscale coupled problems, in CFD-thermalhydraulic problems, in neutronic-thermalhydraulic problems, and others. These are the main features of the code:

- Capable of coupling all kind of codes.
- Easy to use.
- Respect the GNU project philosophy.

This is the developer's manual. Here you find everything necessary to understand the structure of the code.