

Mr Carlos BRITO PACHECO

[carlos.brito-pacheco@univ-grenoble-alpes.fr](mailto:carlos.brito-pacheco@univ-grenoble-alpes.fr)

**Rodin: A FreeFem inspired C++17 finite element method framework for shape and topology optimization.**

Rodin is an open source, lightweight and modular shape optimization framework which provides many of the associated functionalities that are needed when implementing shape and topology optimization algorithms. These functionalities range from refining and remeshing the underlying shape, to providing elegant mechanisms to specify and solve variational problems.

<https://github.com/cbritopacheco/rodin>