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FINITE ELEMENT ANALYSIS II
Modelization of hyperelastic behavior of the brain

Mathieu Simon

MSc - Biomedical Engineering
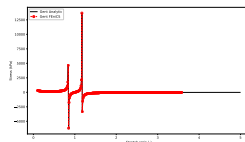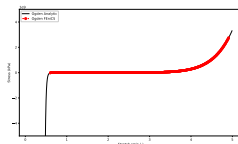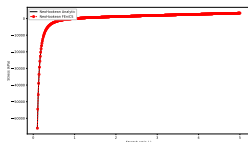University of Bern, Faculty of Medicine

May 26, 2020

Overview

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1. FE vs Analytic - Comparative Plots
   - Incompressible Models
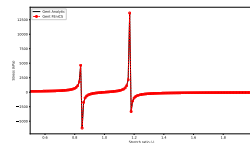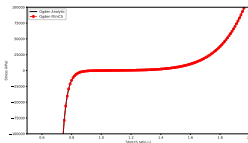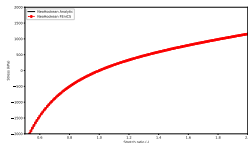   - Compressible Models

Incompressible Models

Compressible Models

General

Zoom
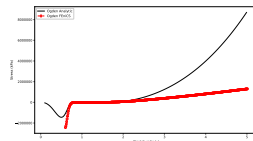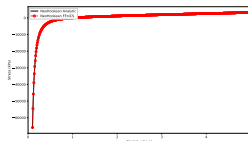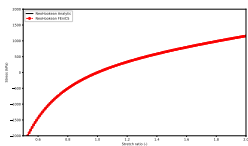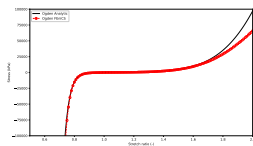

Neo-Hookean

Ogden

Compressible Ogden Sensitivity