

Implementation of a Discontinuous Galerkin Method in MATLAB

Your Task:

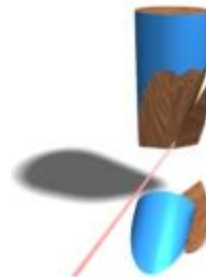
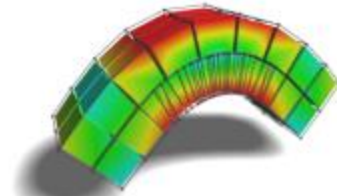
- Learn about the background of DG methods using the provided literature
- Choose one formulation suitable for the wave equation
- Implement a simple 2D DG Code for hyperbolic problems in MATLAB
- Derive an appropriate benchmark test case for the wave equation
- Compare the different formulations

Project Characteristics

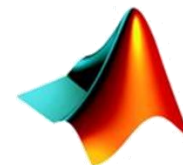
Literature: ★★★★★

Mathematics: ★★★★★

Programming: ★★★★★



http://graphics.ethz.ch/research/physics_animation_fabrication/simulation/dgfem.php



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