CSC Seminar

SPEAKER

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U Koblenz

TITLE

Reduced basis methods for quasilinear PDEs and applications to electrical machines

ABSTRACT

In this talk we present the reduced basis methods for quasilinear elliptic and parabolic PDEs and applications to the modelling of electrical machines. We discuss all of the ingredients of the reduced basis methods, such as the efficient basis generation for reduced basis approximation and the certification by suitable a-posteriori error control. We will outline possible application prospects for optimization problems, as well as the perspectives and limitations of the proposed methods.

Tuesday, August 31, 2021 at 2 pm
BBB