

Im Oberseminar

Numerical Optimization

wird am

Dienstag, dem 20. November 2018

folgender Vortrag gehalten:

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**SQP-methods and POD for optimal control of quasilinear parabolic
PDE**

Abstract:

Recently, optimal control of quasilinear parabolic equations has been addressed by Casas, Chrysafinos (2018) resp. Bonifacius, Neitzel (2018). Based on the theoretical fundament developed in the latter paper I will discuss theoretical and numerical aspects of the SQP-method for the numerical solution of these nonlinear optimal control problems. In particular, POD model reduction seems to be a promising strategy to speed up the computations.

Zeit: 10:15 Uhr

Raum: D 404

Interessenten sind herzlich willkommen!

gez. Stefan Volkwein