

SEMINARVORTRAG

Die Arbeitsgruppe Numerical Analysis lädt zu folgendem Vortrag ein:

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Robust and efficient dose calculation in radiation therapy

Dose calculations in radiation therapy require the solution of a high dimensional coupled system of linear transport equations. Accurate results are often obtained using time-consuming Monte Carlo simulations, which prohibit an additional quantification of uncertainties caused e.g. by patient motion during the treatment. This talk highlights different approaches to efficient uncertainty quantification for dose calculations: From probabilistic modeling of high-dimensional or complex uncertainties, over fast and accurate dose calculations using dynamical low rank approximations to robust plan optimisation.

Zeit: **Dienstag, 24. Mai 2022 um 14.15 Uhr**

Ort: **Technikerstr. 13, HSB 2**

Gäste sind herzlich willkommen!

Lukas Einkemmer