

Im Oberseminar
Numerical Optimization
wird am
Mittwoch, dem 5. Dezember 2018
folgender Vortrag gehalten:

Waveform relaxation with adaptive pipeline

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Abstract:

Waveform relaxation methods are domain decomposition methods for time dependent PDEs in which subdomain problems are posed in space and time. In this talk, we introduce temporal parallelism in these methods, with different processors working on different time windows. Because the convergence rate of the new method is independent of the overall time horizon length, we obtain significant speedup relative to sequential time-stepping. Numerical examples are presented to illustrate the effectiveness of our approach.

Zeit: 10:15 Uhr
Raum: G 227

Interessenten sind herzlich willkommen!
gez. Prof. Stefan Volkwein