



Institut für Optimierung und Diskrete Mathematik

Vortrag im Seminar Optimierung und Diskrete Mathematik

Neuer Termin **10.8. 2015**, 15:15 Seminarraum C208, Steyrergasse 30, 2. Stock

On the k-opt neighborhood for TSP

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One of the most popular local search heuristics for the Travelling Salesman Problem (TSP) is centered around the k-opt neighborhood; k-opt tries to improve a (suboptimal) tour by removing k edges and by reconnecting the resulting pieces into a new tour through the insertion of k new edges.

In the talk, I will concentrate on the problem whether a given tour is a local optimum for k-opt (for some fixed k), and I will present a fine-grained complexity analysis of this problem.

Eranda Dragoti-Çela und Bettina Klinz