



Seminar

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Topic

A Numerical Method for Semi-discrete Optimal Transport Problems

Date | Time

1 July 2024 (Monday) | 16:30 – 17:30 (HK Time)

Venue:

TU817

Abstract:

First, we review the semi-discrete optimal transport problem and its relation to a Laguerre tessellation. Then, we propose a new method for solving the semi-discrete optimal transport problem for cost functions that are a positive combination of p^- , 1 .

By exploiting the geometry of the Laguerre cells, we obtain an efficient and reliable implementation of Newton's method to find the sought subdivision. We give implementation details and some numerical results.

ALL ARE WELCOME