

$$F_{\omega}(\alpha + m)!$$

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Fast algorithms for hierarchically structured matrices

Friday, November 1, 2019 10:50 AM (45 minutes)

In this talk, I will discuss what hierarchically structured matrices are, where they occur in practice, and present algorithms for factorizing these structured matrices. I will demonstrate how the factorization enables subsequent matrix operations (applying the matrix, computing its inverse, and its determinant) in linear CPU time.

Presenter: RACHH, Manas (CCM)

Session Classification: Dimension Reduction and Factorization Introductory Lecture