

Higher-Order Submatrix Methods

- Background
 - Based on the original submatrix method that was used in recent record-breaking works (<https://arxiv.org/abs/2205.12182>, <https://doi.org/10.1016/j.parco.2022.102920>) higher-order submatrix approximations can be derived that are more accurate.
- Goal
 - Development and implementation of higher-order submatrix methods with a focus on the reduction of the computational complexity
- Prerequisites
 - A very good understanding of linear algebra
 - Interest in complexity estimation of algorithms
- Contact
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