

Design and Analysis of Algorithms for Parallel Computer Systems

F4: Lectures 7 and 8

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Contents

Parallel distributed algorithms for dense matrix computations – part I (mainly from Grama et al, 2nd ed., Chapter 8)

- Mapping of matrices onto processor meshes
- Parallel algorithms for fundamental matrix operations
 - Matrix transposition
 - Matrix-vector multiplication
 - Matrix-matrix multiplication
- Introduction to Assignments 1 and 2

Hand-outs: **Copies of slides (in Swedish)**