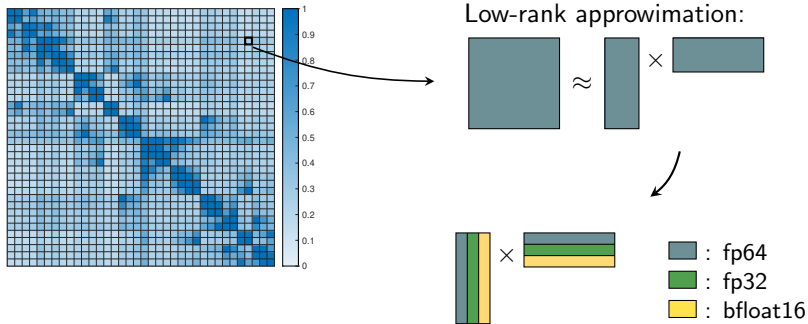


# Block low-rank compression in mixed precision for the solution of sparse linear systems

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- Low rank approximation of a block  
→ in mixed precision
- Objectives: reduce storage and computation time
- Integration in a direct linear solver (MUMPS)
- 30% storage reduction already achieved in MUMPS