

1 PSBLAS

- The Conjugate Gradient Method

• Parallel Environment

- Computational kernels
 - The Conjugate Gradient Method
- Data Distribution
- Sparse matrices
- Data Management
- Preconditioned iterations

2 AMG4PSBLAS

- AMG Setup

3 User's Interface

- Example of use
- Use in dealii.X

4 Experiments on linear systems

- Weak scalability on Leonardo
- Bibliography