

# Lab 11

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**Stokes equations. deal.II step-22, step-55.**

**Advanced Topic in Scientific Computing - SISSA, UniTS, 2024-2025**

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22 Nov 2024

# Assignment

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Read the documentation of `step-22` and `step-55`.

1. Starting from `step-22`, follow the instructions in the *Block Schur complement preconditioner* section.
2. Starting from `step-55`, play with the smoothers, smoothing steps, and other properties for the Trilinos AMG to achieve an optimal preconditioner.