

# Report Project 2

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# Part I

## aSDAs

# Reuslts

## Task3

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## Task4

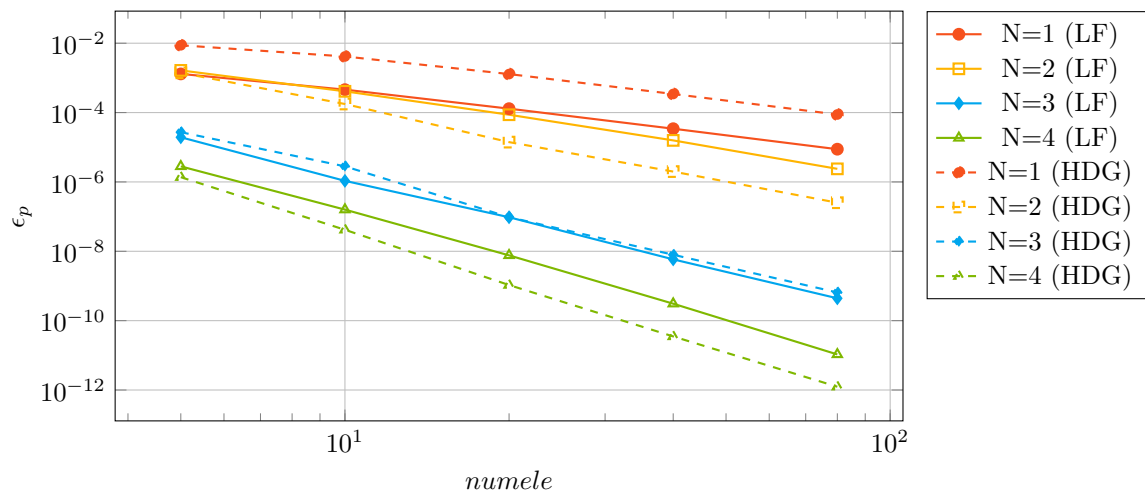


Figure 1: Comparison of LF and HDG flux for task 3. From this setup one can not really determine a superior flux.

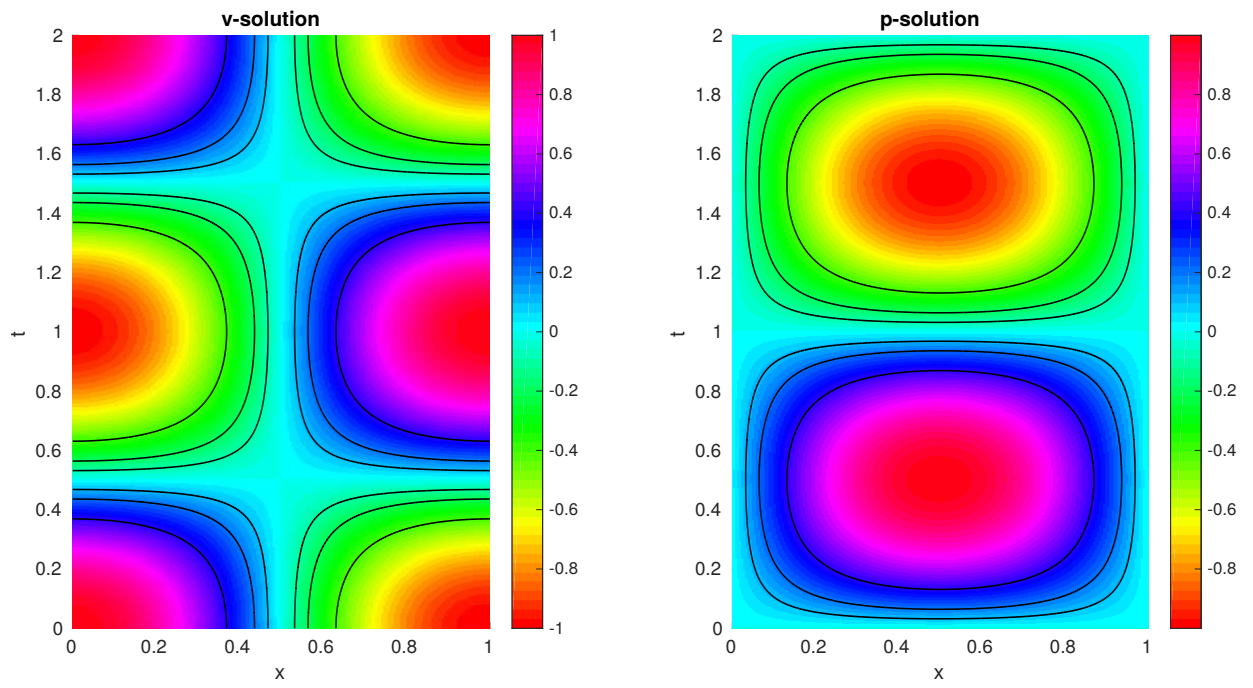


Figure 2: Setup as described in ?? with dirichlet boundary conditions. The x-axis shows the position, the y-axis the time. A perfect periodic oscillation can be observed. For this plot 200 elements with a polynomial degree of 1 were used.