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# Applied Numerical Methods - Lab 4

GOYENS Florentin & WEICKER David

6<sup>th</sup> November 2015

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## Stationary heat conduction in 1-D

In a one dimensional pipe we are interested in the temperature evolution along the z-axis. We will study the behaviour of the numerical solution based on finite differences.

### a) Reformulation of the problem

Bla bla bla

### b) Discretize to a system of equation

Bla bla bla

### c) Resolution

Bla bla bla

### d) Comparison of methods

bla bla bla

Ceci est la partie d

### e) Improvements

Ceci est la partie e

### f) Visualization

Ceci est la partie f