

# University of Twente

## Faculty EEMCS

Electrical Engineering, Mathematics and Computer Science

MSc programme Applied Mathematics

### Description Final Project

Chair	MaCS
Supervisor	Matthias Schlottbom
Short description	<p><u>Numerical solution of anisotropic elliptic equations</u></p> <p>Anisotropic diffusion plays an important role in several applications, ranging from imaging to biological networks. While the approximation of isotropic diffusion equations and the numerical solution of the resulting linear systems has been researched to a large extent, the anisotropic case has received far less attention.</p> <p>In this project, you will develop iterative solution techniques for anisotropic elliptic equations.</p>
Requirements	<p>Scientific computing and Finite element course. Interest in Numerical analysis and implementation of computational methods.</p>
Is this project suitable for multiple students?	No.