

FYS3150/FYS4150

Project 1

Magnus Ulimoen
Krister Stræte Karlsen

August 27, 2015

1 Motivation

Solutions of the Poissons equation are a vital component to many aspects physics.

2 a)

Moving h^2 over and setting

$$A = \begin{pmatrix} 2 & -1 & \dots & \dots & 0 \\ -1 & 2 & 0 & \dots & \dots \end{pmatrix}$$