MECE 5397: Scientific Computing for Mechanical Engineers

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Solving Poisson’s Equation on a Rectangle

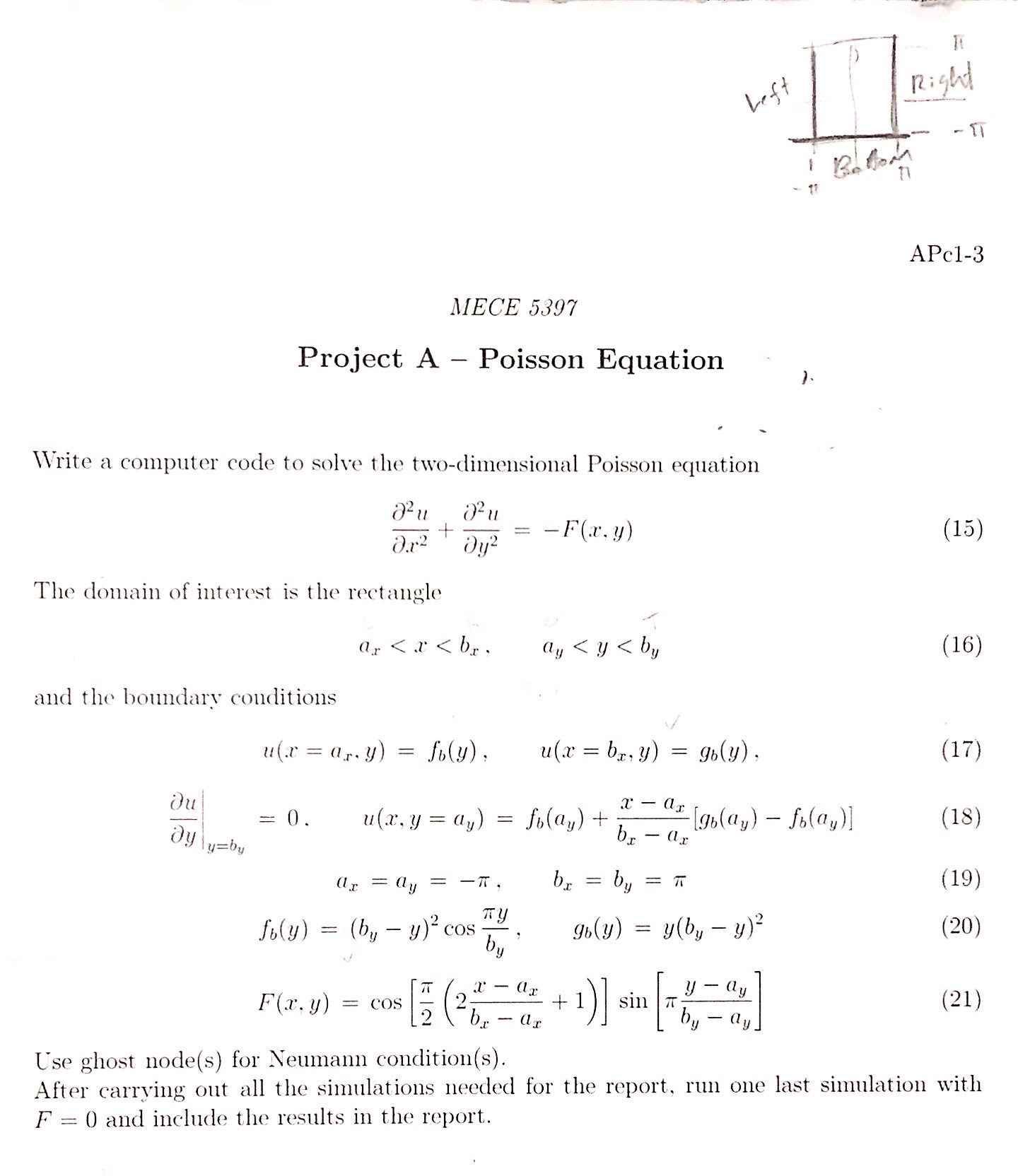
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# Abstract

# Mathematical Statement of the Problem



# Discretization of the Equations

## Discretizing Poisson Equation

Rearranging for ui,j

For Gauss-Seidel method