1. Introduction

1.2 Equations from variational problems

2. Equations of first order

2.1 Linear equations

2.2 Quasilinear equations

3. Classification

3.1 Linear equations of second order

5. Fourier transforms

Textbook 2: Partial differential equations by Lawrence C. Evans

Chapter 2

2.2 Laplace’s equation

2.3 Heat equation

2.4 Wave equation