

Homework 11 - Physics 240

Diffuse equation

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1 Introduction

The goal of this homework is to apply PDE methods to solve the diffuse equation.

2 Discussion and data

I have modified the code to the initial and boundary conditions given in the homework and I got the following plots. I don't, however, understand why they are that way so I can't answer the question about x_i

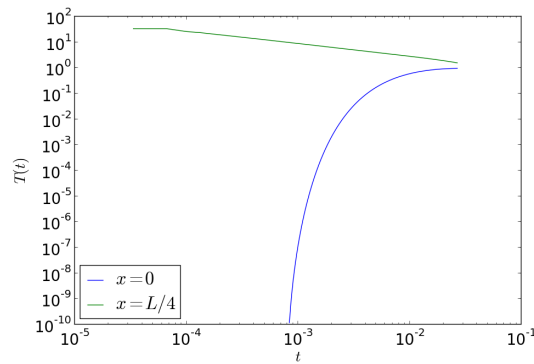


Figure 1:

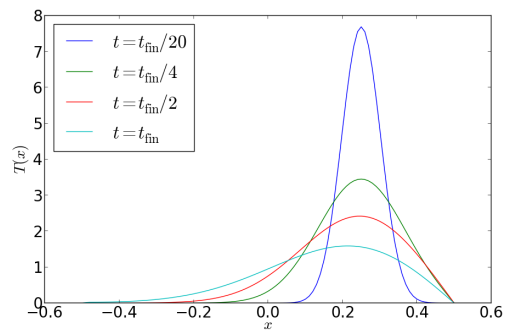


Figure 2:

v

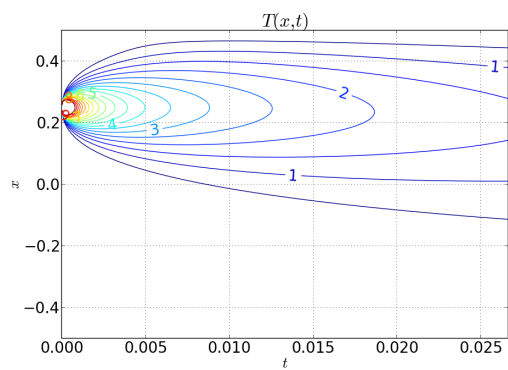


Figure 3:

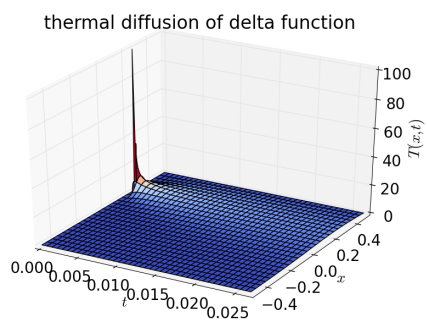


Figure 4: