

Chapter 8: Analysis and simulation of semiconductor structures

Introduction

This chapter deals with semiconductor structures whose the mathematical description of the electromagnetic field is so different that you can not use any of the methods or computing environment presented in this textbook. We use multi-physical computing environment COMSOL Multiphysic, which is based on [finite element method](#).

In the [first chapter](#) we present the macroscopic description of semiconductor structures called drift and diffusion model.