Chapter 12
Electron Spin Qubit in Semicoductor-1-Qubit and 2-Qubit Gates

12.1 Introduction

In Chap.11, we showed how to implement a qubit using electron spin on a silicon substrate. We also demonetrated how to initialize and measure a qubit. In this chapter, we will sudy how to perform a universal 1-qubit gate and a 2-qubit entnaglement gate to fulfill the last