

Title of the Semester Project at QuDev

Research Project

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ABSTRACT

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INTRODUCTION

CHAPTER 1

EXPERIMENTAL SETUP

1.1 THE QUBIT

1.2 READOUT

1.3 TUNABLE COUPLERS

1.4 OUR CHIP

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CHAPTER 2

PROTOCOLS FOR 2 QUBIT GATES

2.1 STORAGE-STORAGE

2.2 STORAGE-EMITTER

2.2.1 SWAP

2.2.2 CNOT