

Submitted by
Julian Hofer, B.Sc.

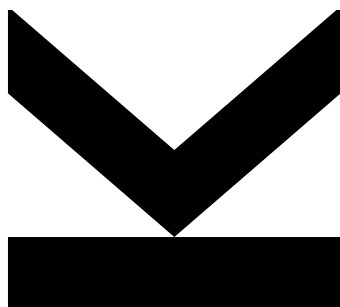
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Rastelli**

Co-Supervisor
DI Christian Schimpf

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Title of the thesis



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Technische Physik

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Abstract

This is a placeholder for the abstract. It summarizes the whole thesis to give a very short overview. Usually, this the abstract is written when the whole thesis text is finished.

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1 Introduction

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1 Introduction

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2 Quantum Dot

2.1 Processing

2.2 Properties of our dots

Table 2.1: My caption

Quantum dot emission	Energy	Frequency
Center	(1.38 to 2.07) eV	$(3.33 \text{ to } 5.00) \times 10^{14} \text{ Hz}$
Spectral range	(100 to 500) μeV	$(24.20 \text{ to } 120.90) \times 10^9 \text{ Hz}$

2.3 Adiabatic Rapid Passage

3 Chirp

Hallo [1]

4 Scanning Fabry-Pérot Interferometer

4.1 Motivation

Resolve QD emission line.

4.2 Theory

4.2.1 Gaussian Beam

Dot-Spectra in far field is (TEM_{00}).

4.2.2 Fabry-Pérot Interferometer

The Fabry-Pérot interferometer is an optical resonator developed by Charles Fabry and Alfred Pérot. An incoming light beam will only be transmitted through the resonator consisting of two semi-transparent mirrors if it fulfils the resonance condition.[2]

But what then?

4 Scanning Fabry-Pérot Interferometer

4.2.3 Simulation

4.3 Setup

4.4 Measurements and Results

Appendix

Bibliography

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