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QUANTUM OPTICS PRACTICAL COURSE

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Abstract

1 Radiation pressure

Goal of this work is to demonstrate how massless photons counter intuitively create pressure based on quantum mechanical properties. On the following pages the theoretical basics will be explained and enhanced to fit the experiment. The Experiment itself will be explained in further sections. Results and discussion about the outcome will finish this work.

$$x^2$$

$$\sqrt{a}$$

2 Theory

gfhgfhgj

2.1 Dampend driven harmonic oszillation

2.2 Cantilever

3 Experimental assembly

4 Results

5 Discussion

6 Resources

- Simulation of the Experiment <http://www.univie.ac.at>