

Department of Physics and Astronomy
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Bachelor Thesis in Physics
submitted by

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Gas accretion onto eccentric planets

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Abstract

Zusammenfassung

Contents

List of Figures

Chapter 1

Introduction

1.1 The protoplanetary disk

Observations

Accretion

Two different mechanisms:

1. Machida et al. 2010, accretion
runaway accretion when $m_{core} \uparrow m_{envelope}$
2. Kley 1999, accretion
 - mathematical model, fluid dynamics
 - most important equations
 - numerical approach

1.2 Fluid dynamics

1.3 The FARGO2D1D algorithm

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Bibliography

- [1] *Lorem ipsum dolor sit amet*
<https://www.youtube.com/watch?v=dQw4w9WgXcQ>
- [2] *Lorem ipsum dolor sit amet*
<https://www.youtube.com/watch?v=dQw4w9WgXcQ>
- [3] *Lorem ipsum dolor sit amet*
<https://www.youtube.com/watch?v=dQw4w9WgXcQ>

Declaration

Ich versichere, dass ich diese Arbeit selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel benutzt habe.

Heidelberg, den ...,