



LEIDEN UNIVERSITY

# Study of BCG-Subtracted Images of Nearby Clusters

by

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*“Inspirational phrase here.”*

Stephen Hawking

# *Abstract*

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The mt all.

# *Acknowledgements*

I would like to thank my advisor king on...

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*Dedicated to my parents, whose love and support are my biggest  
motivation. . .*



# Chapter 1

## Introduction

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## Chapter 2

# Theoretical Framework

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### 2.1 Galaxy Clusters

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FIGURE 2.1: G

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$$I(R)\sigma_p^2(R) = \frac{2}{\Gamma} \int_R^\infty \left(1 - \beta \frac{R^2}{r^2}\right) \frac{\nu \bar{v}_r^2 r dr}{\sqrt{r^2 - R^2}} \quad (2.1)$$

Whuster.

## 2.2 Gravitational Lensing

## 2.3 IMF in BCGs

## Chapter 3

# Observational Procedures

### 3.1 SExtractor

### 3.2 Galfit

### 3.3 Color images

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## Chapter 4

# Study of images

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## Chapter 5

# Conclusions

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