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The distribution of stellar mass in galaxy clusters over cosmic time

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Cover Page



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The Distribution of Stellar Mass in Galaxy Clusters over Cosmic Time

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
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volgens besluit van het College voor Promoties
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klokke 10:00 uur

door

Remco F.J. van der Burg
geboren te Leiderdorp
in 1986

Promotiecommissie

Promotor: Prof. dr. Koenraad Kuijken
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Prof. dr. Huub Röttgering
Prof. dr. Joop Schaye

*"Do not follow where the path may lead...
Go instead where there is no path, and leave a trail."*
- Muriel Strode

The cover shows a cluster-scale overdensity in the Millennium simulation at redshift $z=1.4$ (back cover), and at redshift $z=0$ (front cover).

Credit: Springel et al. (Virgo Consortium)
and the Max-Planck-Institute for Astrophysics.

The colour images show observations of cluster SpARCS-1613 at $z=0.87$ (back), and cluster Abell655 at $z=0.13$ (front), which are central to the work in this thesis.

Cover design: Remco F.J. van der Burg
Cover lay-out: Suzanne Taylor Muzzin

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