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Emergence of cosmic structures around distant radio galaxies and quasars

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Emergence of Cosmic Structures
around
Distant Radio Galaxies and Quasars

Emergence of Cosmic Structures around Distant Radio Galaxies and Quasars

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van de Rector Magnificus Dr. D.D. Breimer,
hoogleraar in de faculteit der Wiskunde en
Natuurwetenschappen en die der Geneeskunde,
volgens besluit van het College voor Promoties
te verdedigen op dinsdag 30 mei 2006
te klokke 14.15 uur

door

Roderik Adriaan Overzier

geboren te Rotterdam
in 1978

Promotiecommissie

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Dit proefschrift is tot stand gekomen met steun van



Nederlandse Organisatie voor Wetenschappelijk Onderzoek

To my parents

Front cover. Vermeer's 'Astronomer' (Louvre, Paris) pondering the questions of the Universe. The background shows an image that was obtained with the Advanced Camera for Surveys towards the distant radio galaxy TN J1338–1942 (the green object), as part of this thesis.

Voorkant. Vermeer's 'Sterrenkundige' (Louvre, Parijs) buigt zich over de vragen van het heelal. De achtergrond toont een diepe opname gemaakt met de Advanced Camera for Surveys in de richting van het verre radiosterrenstelsel TN J1338–1942 (het groene object), waar dit proefschrift gedeeltelijk op gebaseerd is.

Back cover. Creation of the world depicted on the coffin of Amenhotep, priest of Amon (c. 1500 B.C., Thebes). The air god Sju separates the star-spangled goddess of heaven, Nut, from the earth god Geb (RMO, Leiden).

Achterkant. Schepping van de wereld zoals afgebeeld op de doodskest van Amenhotep, priester van Amon (c. 1500 v. Chr., Thebe). De luchtgod Sju scheidt de met sterren bezaaide hemelgodin Nut van de aardgod Geb (RMO, Leiden).

(Cover artwork: Isa Oliveira)

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