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Gauging the inner mass power spectrum of early-type galaxies

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university of
groningen

Gauging the inner mass power spectrum of early-type galaxies

PhD thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. dr. E. Sterken
and in accordance with the
decision by the College of Deans.

This thesis will be defended in public on
Friday 29 March 2019 at 9:00 hours

by

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Dedicated to the ancient ones...

Cover - Designed by the author. The *background* is created via linear superposition of a cutout of large-scale structures from Millennium Simulation (at redshift $z = 1.4$), and a simulated Gaussian Random Field realization, following a power spectrum $P(k) \sim k^{-3.5}$ (see Chapter 2).

The simulated lens shown in the *foreground* of front page is a fold configuration (see Figure 3.1 and description therein). In the back cover page, two simulated lenses are shown behind the text – the red one is a cusp configuration, and the other one is the same simulated lens system as that of the front page, except that it is rotated and has a bigger mask – covering larger area of the sky.

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