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## Rotational Raman scattering in the Earth's atmosphere

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VRIJE UNIVERSITEIT

**Rotational Raman scattering  
in the Earth's atmosphere**

Modeling and application to  
satellite measurements of  
backscattered sunlight

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan  
de Vrije Universiteit Amsterdam,  
op gezag van de rector magnificus,  
prof.dr. L.M. Bouter,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de faculteit der Exacte Wetenschappen  
op dinsdag 27 november 2007 om 13.45 uur  
in de aula van de universiteit,  
De Boelelaan 1105

door

Rutger van Deelen

geboren te Steinheim, Duitsland