

## Short Curriculum Vitae of Tom H. Koornwinder, January 23, 2019

### Office address

Prof. dr. Tom H. Koornwinder

University of Amsterdam, Korteweg-de Vries Institute

*postal address:* P.O. Box 94248, 1090 GE Amsterdam, Netherlands

*visiting address:* building F, Floor 3, Science Park 105-107, 1098 XH Amsterdam, Netherlands

*email:* T.H.Koornwinder@uva.nl

*home page:* <https://staff.fnwi.uva.nl/t.h.koornwinder/>

### Personal data

*born:* 19 September 1943, in Rotterdam

*citizenship:* Netherlands

*marital status:* married

*children:* two

### Education

kandidaats (=BSc) both in mathematics and in physics: University of Leiden, 1965

doctorandus (=MSc) in mathematics: University of Leiden, 1968

PhD: University of Amsterdam, Faculty of Mathematics and Natural Sciences, 1975, promotor  
prof. dr. H. A. Lauwerier, thesis *Jacobi polynomials and their two-variable analogues*

### Area of Specialization

Analysis, more in particular: Special functions, Lie groups, quantum groups, computer algebra and their interrelations

### Regular employments

University of Leiden, student assistant, 1965–1968

Mathematical Centre, Amsterdam, researcher, 1968–1977

Mathematical Centre (=CWI), Amsterdam, senior researcher, 1977–1992

University of Amsterdam, Professor of Analysis, 1992–2008, during which:

- 1995–1996: Chairman of Department of Mathematics
- 1996–1997: Member of the faculty board and vice-dean of the Faculty of Mathematics, Computer Science, Physics and Astronomy
- November 1997 – January 2003: Director of the Korteweg-de Vries Institute
- January–November 2005: Chairman (ad interim) of Afdeling (Department) of Astronomy, Physics and Mathematics within the Faculty of Science

Since September 2008 Professor emeritus, permanent guest at the Korteweg-de Vries Institute

### Visiting positions

Institut Mittag-Leffler, Djursholm, Sweden, graduate student, 1970–1971

University of Amsterdam, 1 day/week, January–May 1984

University of Leiden, 1 or 2 days/week, 1985–1988

Katholieke Universiteit Leuven, Belgium, 1 day/week, October 1987 – January 1988

Institut Mittag-Leffler, Djursholm, Sweden, guest researcher in special program *Analysis on Lie groups*, October–November, 1995

Newton Institute, Cambridge, UK, guest researcher, April–May, 2001

### Recent invited lecture

November 2, 2017: R. P. Agarwal Memorial Lecture, *Bispectrality and dual addition formulas*, at ICSFA-2017, Bikaner, Rajasthan, India.

### Editorships

2006–present: SIGMA (member of editorial board)

until 2019: co-editor, joint with J. V. Stokman, of Vol. 2, *Multivariable special functions* in the *Askey-Bateman project*, Cambridge University Press.

### PhD Theses prepared under my guidance

1979: I. G. Sprinkhuizen-Kuyper (University of Amsterdam, copromotor)

1983: M. T. Kusters (University of Leiden, copromotor)

1983: B. Hoogenboom (University of Leiden, copromotor)

1987: R. J. Beerends (University of Leiden, copromotor)

1991: H. T. Koelink (University of Leiden, copromotor)

1994: M. S. Dijkhuizen (University of Amsterdam, promotor)

1995: P. G. A. Floris (University of Leiden, one of two promotors)

1998: J. V. Stokman (University of Amsterdam, cum laude, promotor)

1999: G. Carnovale (University of Utrecht, one of two promotors)

1999: P. Oonincx (University of Amsterdam, promotor; copromotor N. M. Temme)

2018: E. Diekema (University of Amsterdam, copromotor)

### Other doctorates at which I acted as a promotor

1993: A. O. Olde Daalhuis (University of Amsterdam, promotor; copromotor N. M. Temme)

1994: J. F. van Diejen (University of Amsterdam, promotor; main but informal advisor was S. N. M. Ruijsenaars)

2002: O. Lemmers (University of Amsterdam, promotor; copromotor J. J. O. O. Wiegnerinck)

### Committees outside UvA

2000–2010: Member (secretary and treasurer) of the board of the foundation *Stichting voor Hoger Onderwijs in de Toegepaste Wiskunde*

2003–2008: Member of the board of the Dutch research school MRI (Mathematics Research Institute)

2005–2007: member of SASTRA Ramanujan Prize Committee

2009–2010: member of the Committee for the Research Evaluation of the Mathematics Programs of the six universities in The Netherlands over the period 2003–2008  
2009–2018: Constructive Approximation (member of editorial board)  
2010–2018: Indagationes Mathematicae (member of editorial board)  
2010–2013: member of selection committee for the Gábor Szegő Prize  
2011–2014: member of selection committee for the Stieltjes PhD Prize of the Dutch Research School WONDER  
2011–2018: chair of publication committee of Platform Wiskunde Nederland  
2011–2015: member of Scientific Advisory Committee of the institute IMAPP, Radboud University, Nijmegen.  
2012: chair of jury for the 2012 Compositio Mathematica Prize  
2012–2017: member of editorial board of The Ramanujan Journal  
2015–present: associate editor of DLMF (Digital Library of Mathematical Functions)

#### **Administrative activities for popularizing mathematics**

2004–2009: member of Dutch national “Taakgroep Landelijke Wiskunde-PR”  
2004–2012: member of editorial board Kennislink  
2008–2011: treasurer of organizing committee of International Mathematical Olympiad 2011, Netherlands

#### **Memberships**

Koninklijk Wiskundig Genootschap, European Mathematical Society, American Mathematical Society, SIAM, SIAM Activity Group on Orthogonal Polynomials and Special Functions