Dennis B. Westra

Local Address

Fakultät für Mathematik
Nordbergstrasse 15
1090 Wien
Room C518
dennis.bouke.westra@univie.ac.at
http://www.mat.univie.ac.at/∼ westra

Permanent Address

Hütteldorfer Strasse
1140 Wien
06 76 6854 502

PERSONAL DATA

Name: Dennis Bouke Westra
Date of birth: 29th March 1980
Place of birth: Leens, the Netherlands
Nationality: Dutch
Gender: Male
Marital status: single

EDUCATION

1992-1998: Willem Lodewijk Gymnasium, Groningen, the Netherlands
1998-2002: Master Studies Theoretical Physics (Cum Laude), Rijksuniversiteit Groningen
2002-2006: Ph.D. Theoretical Physics, Rijksuniversiteit Groningen
2006-2009: Ph.D. Mathematics (mit Auszeichnung), Universität Wien
2009 - present: getting the teaching degree (Lehramt) for physics and mathematics, Universität Wien

ACTIVITIES

1998-2002: Various committees of student associations T.F.V. 'Professor Francken' and FMF
2002-2003: Board of student association T.F.V. 'Professor Francken'
2003-2005: Student council of the Dutch Research School for Theoretical Physics
2000-2006: Assisting and speaking at various open days of the University of Groningen
2003-2006: Writer for the magazine 'Francken Vrij' of T.F.V. 'Professor Francken'
2002-2005: Member of the 'Promoteam Natuurkunde' of the University of Groningen
May 2004: Co-organizer of the '18th Nordic Network Meeting on Fields, Strings and Branes' in Groningen
Nov. 2005: Co-organizer of the Conference 'From Strings to Cosmic Web' in Groningen
Feb. 2009: Participation and giving a talk at YMIS 2009 in Sedano, Spain
Feb.-Mar. 2009: Participation in the exhibition 'Imaginary - Mit den Augen der Mathematik'

PUBLICATIONS

Master Thesis: Scattering Amplitudes in String Theory
Paper in JHEP: De Sitter solutions in $N = 4$ matter coupled supergravity
Paper in JHEP: Potential and mass matrix in gauged $N = 4$ supergravity

Paper in JHEP: Group manifold reduction of dual $N = 1$ $d = 10$ supergravity
Paper in JHEP: Coset symmetries in dimensionally reduced heterotic supergravity
Paper in Class.& Qu.Gr.: Dynamics of generalized assisted inflation
Paper in Class.& Qu.Gr.: Scaling cosmologies of $N = 8$ gauged supergravity
Ph.D. Thesis: Symmetries in $N = 4$ supergravities
Ph.D. Thesis: Superrings and Supergroups
Preprint (of book): Classical and Quantum Mechanics via Lie Algebras: `arXiv:0810.1019`
Preprint: Blowups in tame monomial ideals: `arXiv:0905.4511`

RESEARCH INTERESTS Mathematical physics, Lie groups, Lie algebras, algebraic geometry, differential geometry, supergravity theories, string theory, cosmology, superrings, supergroups, supermanifolds, supersymmetry.

TEACHING EXPERIENCE During the Ph.D. in Groningen I was a teaching-assistent for the following courses: Orientation on Physics (2003-2004,2004-2005,2005-2006), Quantum physics I (2004-2005), Statistical physics II (2004-2005), various experiments (2003-2006).
During studies I gave several tutorials on high schools in Groningen.
During my Ph.D. in Vienna I gave several seminars (Dissertanten Kolloquium, IK Kolloquium).
Giving classes at Privatschule Infinum, Wien (2009-).

WORK EXPERIENCE 1995-2001: Part-time work in Supermarket Edah, Roden, the Netherlands.

LANGUAGE SKILLS Dutch: mothertongue
English: fluently
Spanish: very good
German: fluently
French: moderately
Italian: at reading level

HOBBIES Playing guitar, running, skating, hiking in mountains, learning languages, cooking, traveling, reading,...