

# CV of Dr. Ulrich Reif

## Professor of Mathematics

### Address

Prof. Dr. Ulrich Reif  
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### Education

1984: Vordiplom Elektrotechnik, Universität Stuttgart  
1988: Diplom Mathematik, Universität Stuttgart  
1993: Promotion Mathematik, Universität Stuttgart  
1998: Habilitation Mathematik, Universität Stuttgart

### Professional Experience

1999: Deputy Chair for Approximation Theory, Universität Dortmund  
2000 – now: Chair for Applied Geometry and Approximation Theory, TU Darmstadt

### Selected Peer-reviewed Publications

- N. Lehmann, U. Reif: Notes on the curvature tensor, *Graphical Models* 74 (2012), 321-325.
- U. Reif: Polynomial Approximation on Domains Bounded by Diffeomorphic Images of Graphs, *Journal of Approximation Theory* 164 (2012), 954-970.
- T. Cashman, K. Hormann, U. Reif: Generalized Lane-Riesenfeld algorithms, *CAGD* 30 (2013), 298-409.
- T. Ewald, U. Reif, M. Sabin: Hölder Regularity of Geometric Subdivision Schemes, *Constructive Approximation*, Volume 42, Issue 3 (2015), 425-458..
- C. Apprich, K. Höllig, J. Hörner, U. Reif: Collocation with WEB-Splines, *Advances in Computational Mathematics*, Volume 42, Number 4 (2016), 823-842.
- N. Lehmann, L.B. Maier, S. Odathuparambil, U. Reif: Ambient Approximation on Hypersurfaces, *Constr Approx* Volume 49, Number 1 (2019), 175-190.

### Honors and Awards

2014: John A. Gregory Award for lifetime achievements in Geometric Modeling  
2014: Athene-Preis für gute Lehre der TU Darmstadt

### Editorial work

2005-now: Associate Editor of *Journal of Approximation Theory*  
2007-now: Associate Editor of *Computer Aided Geometric Design*  
2016-now: Associate Editor of *Jahresberichte der DMV*

### Organization of Conferences (selected)

2002: Mathemematische Methoden der Geom. Datenverarbeitung, Oberwolfach workshop  
2005: Analytical and Numerical Methods in Image and Surface Proc., Oberwolfach workshop  
2011: Trends in Mathematical Imaging and Surface Proc., Oberwolfach workshop  
2013: New Trends in Applied Geometry, Bad Herrenalb  
2017: Geometry & Computation for Interactive Simulation, BIRS workshop  
2019: Interactive Design and Simulation, Dagstuhl seminar