

# Curriculum Vitae

October 4, 2021

## Personal data

Name: David Lindemann  
Date of birth: 23.01.1989  
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## Positions

2021 – 2023 German Research Foundation individual postdoc fellowship in the “Walter Benjamin Programme”,  
Department of Mathematics, Aarhus University, Denmark  
2018 – 2021 Postdoctoral researcher,  
Department of Mathematics, University of Hamburg, Germany

## Education

2014 – 2018 Ph.D. in mathematics, University of Hamburg, Germany,  
Thesis title: “Structure of the class of projective special real manifolds and their generalisations”  
2011 – 2014 M.Sc. in mathematics, University of Hamburg, Germany,  
Thesis title: “Completeness of projective special real manifolds generated by reducible polynomials”  
2008 – 2011 B.Sc. in mathematics, University of Hamburg, Germany,  
Thesis title: “Geodesic completeness of a hypersurface generated by a hyperbolic homogeneous polynomial”

## Publications

2020 A class of cubic hypersurfaces and quaternionic Kähler manifolds of cohomogeneity one (*with Vicente Cortés, Malte Dyckmanns und Michel Jüngling*), Asian J. Math. **25** (2021), no. 1, 1–30, arXiv:1701.07882  
2018 Left-invariant Einstein metrics on  $S^3 \times S^3$  (*with Florin Belgun, Vicente Cortés und Alexander S. Haupt*), J. Geom. Phys. **128** (2018), arXiv:1703.10512  
2013 Classification of complete projective special real surfaces (*with Vicente Cortés und Malte Dyckmanns*), Proc. London Math. Soc. **109** (2014), no. 2, 423–445, arXiv:1302.4570

## Preprints

- 2020            Limit geometry of complete projective special real manifolds, arXiv:2009.12956
- 2019            Properties of the moduli set of complete connected projective special real manifolds, arXiv:1907.06791

## Teaching experience

- 2021            Exercise class “Mathematik II für Studierende der Informatik”
- 2020            Lecture course “Differential Geometry” (B.Sc. level, online), accessible at [https://www.math.uni-hamburg.de/home/lindemann/diffgeo\\_SS2020\\_lindemann.html](https://www.math.uni-hamburg.de/home/lindemann/diffgeo_SS2020_lindemann.html)  
Exercise class “Mathematik I für Studierende der Informatik”
- 2019            Exercise class “Mathematik 4 für Studierende der Physik”  
Exercise class “Grundbildung Geometrie (für Grundschullehrer und Sonderpädagogen)”
- 2018            Seminar “Kurven und Flächen” (B.Sc. level)  
Exercise class “Mathematik 3 für Studierende der Physik”
- 2016            Exercise class “Differentialgeometrie”
- 2015            Exercise class “Analysis 2”  
Grading of the exercises of the course “Mathematical Methods of Classical Physics”
- 2014            Exercise class “Lineare Algebra und analytische Geometrie 2”  
Exercise class “Mathematik 3 für Studierende der Physik”