



Caroline Geiersbach

Education

University of Vienna, Austria

- PhD Student in Vienna Graduate School on Computational Optimization 10.2016-current

Vienna University of Technology, Austria

- M.Sc., Applied Mathematics 3.2014-1.2016
 - Focus: Numerical analysis of PDEs
 - Thesis Title: "Error Estimates and Optimal Approaches to the Stochastic Homogenization in Elliptic Partial Differential Equations," funded research through FWF project "PDE Models for Nanotechnology"
- B.Sc., Technical Mathematics 3.2010-3.2014

Wellesley College, Wellesley, M.A., U.S.A.

- B.A., German Language and Literature, Magna Cum Laude. 9.1999-5.2003

Publications

Caroline Geiersbach, Clemens Heitzinger, and Gerhard Tulzer. Optimal Approximation of the First-Order Corrector in Multiscale Stochastic Elliptic PDE. *SIAM/ASA J. Uncertainty Quantification*, 4(1), 1246-1262 (2016).

Finite Element Software for Julia. <https://github.com/gerhardtulzer/EllipticFEM.jl>, 2016.