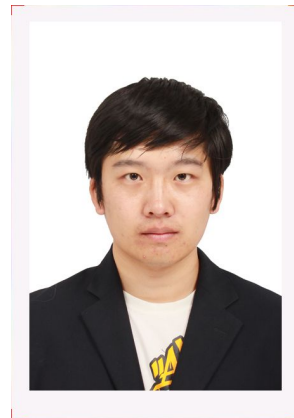


Curriculum Vitae

Bo Liu

Contact Information

Mathematisches Institut,
Universität zu Köln,
Weyertal 86 - 90,
D 50931, Köln,
Germany.



Email: boliumath@gmail.com
Phone No.: +49 (0)160 249 3926

Personal

Born: February 8, 1984, Liaoning, China.
Citizenship: Chinese

Present Position

Research assistant in Universität zu Köln..

Research Interests

Geometry and global analysis on manifolds.

Employment History

01. 2014 - 05. 2015, Research assistant in Universität zu Köln, Germany.
06. 2015 - Visiting Researcher in Humboldt University, Germany.

Education

07. 2010 - 11. 2013, Ph.D., Mathematics,
Chern Institute of Mathematics, Nankai University of China.
Dissertation: Rigidity and Vanishing Theorems on Z/k Spinc manifolds.
Advisor: Prof. Weiping Zhang

09. 2012 - 09. 2013,
Exchange student in Universit Paris Diderot-Paris 7 in France,
Advisor: Prof. Xiaonan Ma

07. 2007 - 06. 2010, M.A., Mathematics,
Chern Institute of Mathematics, Nankai University of China.
Thesis: On the Anomaly Formula for the Cappell-Miller Holomorphic Torsion.
Advisor: Prof. Weiping Zhang

07. 2003 - 06. 2007, B.S., Mathematics,
University of Science and Technology of China

Publications

[1] (with J. Yu) On the Anomaly Formula for the Cappell-Miller Holomorphic Torsion. *Sci. China Math.* 2010, 53(12): 3225-3241.

[2] (with J. Yu) On the Witten Rigidity Theorem for String Manifolds. *Pacific J. Math.*, 2013, 266(2): 477-508.

[3] (with J. Yu) Rigidity and Vanishing Theorems on Z/k Spinc manifolds. *Trans. Amer. Math. Soc.* 2015, 367(2), 1381–1420

Preprints

[4] Functoriality of Equivariant Eta Forms. 68 pages. arXiv: 1505.04454.

[5] Equivariant Eta Forms and Equivariant Differential K-Theory.
http://www.mi.uni-koeln.de/~bliu/myself/equi_differential_k_theory.pdf

Workshops

Positive Curvature and Index Theory (17 - 21 Nov 2014)
Institute for Mathematical Sciences, National University of Singapore.

Modular Invariants in Topology and Analysis (8 - 12 Sep 2014)
University of Regensburg, Germany.

Geometric Structures and Spectral Invariants (16 - 19 May 2014)
Humboldt-Universität zu Berlin, Germany.