

Abhishek Kumar Shukla

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Education

- Ph. D Mathematics, University of British Columbia
Vancouver, Canada
Sep 2016- April 2020
Advisor: Zinovy Reichstein
Topic: On the essential dimension of certain group schemes.
- B. S - M. S Mathematics, Indian Institute of Science Education and Research
Pune, India
Aug 2011- May 2016
Master's thesis advisor: Steven Spallone
CGPA: 9.1/10

Publications

1. Reichstein, Zinovy; Shukla, Abhishek Kumar. Essential dimension of inseparable field extensions. *Algebra Number Theory* 13 (2019), no. 2, 513–530. doi:10.2140/ant.2019.13.513
2. Abhishek Kumar Shukla and Ben Williams, Classifying spaces for étale algebras with generators, *Canadian Journal of Mathematics*(2020)
3. Zinovy Reichstein and Abhishek Kumar Shukla, Essential dimension of double covers of symmetric and alternating groups, *Journal of Ramanujan Mathematical Society* (2020)
4. Iyer, P., Shukla, A., Jadhav, V. and Sahoo, B.K. (2020), Anisogamy selects for male-biased care in self-consistent games with synchronous matings. *Evolution*, 74: 1018-1032. doi:10.1111/evo.13969

Awards

1. SERB-UBC Ph.D scholarship (2016-2020)
2. Faculty of Science Ph.D Tuition Award (2016-2020)
3. International Tuition Award (2016-2020)
4. KVPY fellowship, Govt. of India (2011-2016)

Teaching activities

1. Instructor for Integral Calculus (Math 101), Jan '18 - Apr '18
2. Instructor for Differential Calculus(Math 100), May'20-June'20
3. Teaching Assistant for:
 - Ordinary Differential Equations (Math 215)
 - Linear algebra (Math 221),
 - Introduction to Probability (Math 302)
 - Group Theory (Math 322),
 - Complex analysis (Math 300)
 - Algebra and Coding Theory (Math 342)