Statistics and Mathematics Unit
Indian Statistical Institute
Bangalore Centre

List of publications of the Unit during April 2010-March 2016

2010-2011

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1) Adhikari, S.D., Ambily, A.A. and Sury, B.: Zero-sum problems with subgroup weights, *Proc. Indian. Acad. Sci.*, **120**, 259-266, 2010.

2) Athreya, Siva R. and Swart, Jan M.: Survival of contact processes on the hierarchical group, *Probab. Theory Related Fields*, **147(3-4)**, 529-563, 2010.

3) Athreya, Krishna, Athreya, Siva R. and Iyer, Srikanth: Critical Age Dependent Branching Markov Processes and Their Scaling Limit, *Proceedings of the Indian Academy of Sciences*, 120(3), 363-385, 2010.

4) Bagchi, Sunanda: Main-effect plans orthogonal through the block factor. *Technometrics*, **52(2)**, 243-249, 2010.

5) Bhat, B.V. Rajarama, Liebscher, Volkmar, Mukherjee, Mithun and Skeide, Michael: The spatial product of Arveson systems is intrinsic, *J. Funct. Anal*. **260(2)**, 566-573, 2011.

6) Bhat, B.V. Rajarama and Mukherjee, Mithun: Inclusion systems and amalgamated products of product systems, *Infin. Dimens. Anal. Quantum Probab. Relat. Top.*, **13(1)**, 1-26, 2010.

7) Bhat, B.V. Rajarama, Liebsher, Volkmar and Skeide, Michael: Subsystems of Fock need not be Fock: spatial CP-semigroups, *Proc. Amer. Math. Soc.*, **138(7)**, 2443-2456, 2010.

8) Biswas, Jishnu and Ravindra, G.V.: Arithmetically Cohen-Macaulay bundles on complete intersection varieties of sufficiently high multidegree, *Math. Zeitschrift*, **265(3)**, 493-509, 2010.

9) De Bruyn, B., Sahoo, B.K. and Sastry, N.S.N.: Non-abelian representations of the slim dense near hexagons on 81 and 243 points, *J. Algebraic Combin.*, **33(1)**, 127-140, 2011.

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11) Karanth, K.U., Gopalaswamy, A.M., Samba Kumar, N., Delampady, M., Nichols, J.D., Seidensticker, J., Noon, B.R. and Pimm, S.L.: Counting India's wild tigers reliably, *Science,* **332**, 791, 2011.

12) Raja, C.R.E.: On the existence of ergodic automorphisms in Zd-actions on compact groups, *Ergodic Theory Dynam. Systems*, **30(6)**, 1803-1816, 2010.

13) Raja, C.R.E. and Shah, Riddhi: Distal actions and shifted convolution property, *Israel J. Math.*, **177**, 391-412, 2010.

14) Sreekantan, Ramesh: K_1 of products of Drinfeld modular curves and special values of L-functions, *Compos. Math.*, **146(4)**, 886-918, 2010.

15) Sreekantan, Ramesh: Non-Archimedean regulator maps and special values of L-functions. Cycles, motives and Shimura varieties, *Tata Inst. Fund. Res. Stud. Math*., 469-492, 2010.

16) Sury, B.: Tits building and an application to central extensions of p-adic algebraic groups by finite p-groups, *Proc. Amer. Math. Soc.*, **139(6)**, 2033-2044, 2011.

17) Sury, B.: A generalisation of a converse to Schur's theorem, *Arch. Math.*, **95(4)**, 317-318, 2010.

18) Sury, B.: Nothing lucky about 13, *Mathematics Magazine*, **83(4)**, 289-293, 2010.

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13. Douglas, Ronald G., Foias, Ciprian and Sarkar, Jaydeb: Resolutions of Hilbert Modules and Similarity. *Journal of Geometric Analysis*, **22(2)**, 471-490, 2012.

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15. Gorai, Sushil: Local polynomial convexity of the union of two totally-real surfaces at their intersection. *Manuscripta Math.* **135(1-2),** 43–62, 2011.

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17. Mason, Alec W. and Sury, B.: Subgroups of algebraic groups which are clopen in the S-congruence topology. *Journal of Group Theory*, 15, 47-55, 2012.

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1. Athreya, Siva; Eckhoff, Michael and Winter, Anita,. Brownian motion on **R**-trees. *Trans. Amer. Math. Soc.*, **365**, 3115-3150, 2013.

2. Bagchi, Bhaskar, Datta, Basudeb,: A triangulation of CP3 as symmetric cube of S2. *Discrete Comput. Geom.*, **48(2),** 310-329, 2012.

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11. Naolekar, Aniruddha C.: Realizing cohomology classes as Euler classes, *Math. Slovaca*, **62 (5)**, 949 - 966, 2012.

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2. Bagchi, Bhaskar and Datta, Basudeb: Higher-dimensional analogues of the map coloring problem, *Amer. Math. Monthly,* **120(8)**, 733-737, 2013.

3. Bagchi, Bhaskar and Datta, Basudeb: On k-stellated and k-stacked spheres, *Discrete Math.*, **313(20),** 2318-2329, 2013.

4. Bagchi, Bhaskar and Datta, Basudeb: On polytopal upper bound spheres, *Mathematika*, **59(2),** 493-496, 2013.

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17. Prajapati, S.K. and Sury, B.: On the total character of finite groups, International Journal of Group Theory, **3(1),** 47-67, 2014.

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