

Publication List

Siddhartha Sahi

References

- [1] Vadim B. Kuznetsov and Siddhartha Sahi, editors. *Jack, Hall-Littlewood and Macdonald polynomials*, volume 417 of *Contemporary Mathematics*. American Mathematical Society, Providence, RI, 2006.
- [2] Jeffrey Adams, Bong Lian, and Siddhartha Sahi, editors. *Representation theory and mathematical physics*, volume 557 of *Contemporary Mathematics*. American Mathematical Society, Providence, RI, 2011.
- [3] Siddhartha Sahi, Jasper V. Stokman, and Vidya Venkateswaran. Metaplectic representations of Hecke algebras, Weyl group actions, and associated polynomials. *Selecta Math. (N.S.)*, 27(3):Paper No. 47, 2021.
- [4] Siddhartha Sahi and Jasper V. Stokman. Some remarks on non-symmetric interpolation Macdonald polynomials. *Int. Math. Res. Not. IMRN*, 2021. to appear.
- [5] Siddhartha Sahi, Hadi Salmasian, and Vera Serganova. Capelli operators for spherical superharmonics and the Dougall-Ramanujan identity. *Transform. Groups*, 2021. to appear.
- [6] Yusra Naqvi, Emily Sergel, and Siddhartha Sahi. Interpolation polynomials, bar monomials, and their positivity. 2021. arXiv:2104.08598.
- [7] Elliott Lieb and Siddhartha Sahi. On the extension of the FKG inequality to n functions. 2021. arXiv:2107.09838.
- [8] Dmitry Gourevitch, Henrik P. A. Gustafsson, Axel Kleinschmidt, Daniel Persson, and Siddhartha Sahi. A reduction principle for Fourier coefficients of automorphic forms. *Math. Z.*, 2021. to appear.
- [9] Dmitry Gourevitch, Henrik P. A. Gustafsson, Axel Kleinschmidt, Daniel Persson, and Siddhartha Sahi. Fourier coefficients of minimal and next-to-minimal automorphic representations of simply-laced groups. *Canad. J. Math.*, 2021. to appear.
- [10] Dmitry Gourevitch, Henrik Gustafsson, Axel Kleinschmidt, Daniel Persson, and Siddhartha Sahi. Eulerianity of Fourier coefficients of automorphic forms. *Represent. Theory*, 25:481–507, 2021.

- [11] Raul Gomez, Dmitry Gourevitch, and Siddhartha Sahi. Whittaker supports for representations of reductive groups. *Ann. Inst. Fourier (Grenoble)*, 71(1):239–286, 2021.
- [12] Johannes Flake and Siddhartha Sahi. Hopf-Hecke algebras, infinitesimal Cherednik algebras and Dirac cohomology. *Pure and Applied Mathematics Quarterly*, 2021. to appear.
- [13] Siddhartha Sahi, Hadi Salmasian, and Vera Serganova. The Capelli eigenvalue problem for Lie superalgebras. *Math. Z.*, 294:359–395, 2020.
- [14] Bogdan Ion and Siddhartha Sahi. Double affine Hecke algebras and congruence groups. *Mem. Amer. Math. Soc.*, 268(1305):xi+90, 2020.
- [15] Siddhartha Sahi and Genkai Zhang. Positivity of Shimura operators. *Math. Res. Lett.*, 26(2):587–626, 2019.
- [16] Siddhartha Sahi and Hadi Salmasian. Quadratic Capelli operators and Okounkov polynomials. *Ann. Sci. École Norm. Sup. (4)*, 52(4):867–890, 2019.
- [17] Dmitry Gourevitch, Siddhartha Sahi, and Eitan Sayag. Analytic continuation of equivariant distributions. *Int. Math. Res. Not. IMRN*, 2019(23):7160–7192, 2019.
- [18] Dmitry Gourevitch and Siddhartha Sahi. Generalized and degenerate Whittaker quotients and Fourier coefficients. In *Representations of reductive groups*, volume 101 of *Proc. Sympos. Pure Math.*, pages 133–154. Amer. Math. Soc., Providence, RI, 2019.
- [19] Yusra Naqvi and Siddhartha Sahi. A combinatorial formula for certain binomial coefficients for Jack polynomials. 2018. arXiv:1807.10325.
- [20] Pradeep Dubey, Siddhartha Sahi, and Martin Shubik. Money as minimal complexity. *Games Econom. Behav.*, 108:432–451, 2018.
- [21] Pradeep Dubey, Siddhartha Sahi, and Martin Shubik. Graphical exchange mechanisms. *Games Econom. Behav.*, 108:452–465, 2018.
- [22] Alexander Alldridge, Siddhartha Sahi, and Hadi Salmasian. Schur Q -functions and the Capelli eigenvalue problem for the Lie superalgebra $\mathfrak{q}(n)$. In *Representation theory and harmonic analysis on symmetric spaces*, volume 714 of *Contemp. Math.*, pages 1–21. Amer. Math. Soc., Providence, RI, 2018.
- [23] Siddhartha Sahi and Genkai Zhang. The Capelli identity and Radon transform for Grassmannians. *Int. Math. Res. Not. IMRN*, (12):3774–3800, 2017.
- [24] Raul Gomez, Dmitry Gourevitch, and Siddhartha Sahi. Generalized and degenerate Whittaker models. *Compos. Math.*, 153(2):223–256, 2017.

- [25] Siddhartha Sahi and Hadi Salmasian. The Capelli problem for $\mathfrak{gl}(m|n)$ and the spectrum of invariant differential operators. *Adv. Math.*, 303:1–38, 2016.
- [26] Pradeep Dubey and Siddhartha Sahi. Eliciting performance: deterministic versus proportional prizes. *Internat. J. Game Theory*, 45(1-2):239–267, 2016.
- [27] Semyon Alesker, Dmitry Gourevitch, and Siddhartha Sahi. On an analytic description of the α -cosine transform on real Grassmannians. *Commun. Contemp. Math.*, 18(2):1550025, 43, 2016.
- [28] Dmitry Gourevitch, Siddhartha Sahi, and Eitan Sayag. Invariant functionals on Speh representations. *Transform. Groups*, 20(4):1023–1042, 2015.
- [29] Dmitry Gourevitch and Siddhartha Sahi. Degenerate Whittaker functionals for real reductive groups. *Amer. J. Math.*, 137(2):439–472, 2015.
- [30] Avraham Aizenbud, Dmitry Gourevitch, and Siddhartha Sahi. Twisted homology for the mirabolic nilradical. *Israel J. Math.*, 206(1):39–88, 2015.
- [31] Avraham Aizenbud, Dmitry Gourevitch, and Siddhartha Sahi. Derivatives for smooth representations of $GL(n, \mathbb{R})$ and $GL(n, \mathbb{C})$. *Israel J. Math.*, 206(1):1–38, 2015.
- [32] Siddhartha Sahi. Harmonic vectors and matrix tree theorems. *J. Comb.*, 5(2):195–202, 2014.
- [33] Siddhartha Sahi. The Capelli identity for Grassmann manifolds. *Represent. Theory*, 17:326–336, 2013.
- [34] Dmitry Gourevitch and Siddhartha Sahi. Intertwining operators between line bundles on Grassmannians. *J. Lie Theory*, 23(4):1191–1200, 2013.
- [35] Dmitry Gourevitch and Siddhartha Sahi. Annihilator varieties, adduced representations, Whittaker functionals, and rank for unitary representations of $GL(n)$. *Selecta Math. (N.S.)*, 19(1):141–172, 2013.
- [36] Stephen D. Miller and Siddhartha Sahi. Fourier coefficients of automorphic forms, character variety orbits, and small representations. *J. Number Theory*, 132(12):3070–3108, 2012.
- [37] Dmitry Gourevitch, Omer Offen, Siddhartha Sahi, and Eitan Sayag. Existence of Klyachko models for $GL(n, \mathbb{R})$ and $GL(n, \mathbb{C})$. *J. Funct. Anal.*, 262(8):3585–3601, 2012.
- [38] Siddhartha Sahi. Binomial coefficients and Littlewood-Richardson coefficients for Jack polynomials. *Int. Math. Res. Not. IMRN*, (7):1597–1612, 2011.

- [39] Siddhartha Sahi. Binomial coefficients and Littlewood-Richardson coefficients for interpolation polynomials and Macdonald polynomials. In *Representation theory and mathematical physics*, volume 557 of *Contemp. Math.*, pages 359–369. Amer. Math. Soc., Providence, RI, 2011.
- [40] Siddhartha Sahi. A note on the resolvent of a nonnegative matrix and its applications. *Linear Algebra Appl.*, 432(10):2524–2528, 2010.
- [41] Siddhartha Sahi. Correlation inequalities for partially ordered algebras. In *The mathematics of preference, choice and order*, Stud. Choice Welf., pages 361–369. Springer, Berlin, 2009.
- [42] Siddhartha Sahi. Higher correlation inequalities. *Combinatorica*, 28(2):209–227, 2008.
- [43] Siddhartha Sahi. The FKG inequality for partially ordered algebras. *J. Theoret. Probab.*, 21(2):449–458, 2008.
- [44] Siddhartha Sahi and Genkai Zhang. Biorthogonal expansion of non-symmetric Jack functions. *SIGMA Symmetry Integrability Geom. Methods Appl.*, 3:Paper 106, 9, 2007.
- [45] Siddhartha Sahi. Raising and lowering operators for Askey-Wilson polynomials. *SIGMA Symmetry Integrability Geom. Methods Appl.*, 3:Paper 002, 11, 2007.
- [46] Siddhartha Sahi. The asymptotic behavior of certain birth processes. *Ann. Comb.*, 10(2):255–269, 2006.
- [47] Vadim B. Kuznetsov and Siddhartha Sahi. Preface. In *Jack, Hall-Littlewood and Macdonald polynomials*, volume 417 of *Contemp. Math.*, pages ix–xvii. Amer. Math. Soc., Providence, RI, 2006.
- [48] Bogdan Ion and Siddhartha Sahi. Triple groups and Cherednik algebras. In *Jack, Hall-Littlewood and Macdonald polynomials*, volume 417 of *Contemp. Math.*, pages 183–206. Amer. Math. Soc., Providence, RI, 2006.
- [49] Martin Andler, Siddhartha Sahi, and Charles Torossian. Convolution of invariant distributions: proof of the Kashiwara-Vergne conjecture. *Lett. Math. Phys.*, 69:177–203, 2004.
- [50] Alexander Dvorsky and Siddhartha Sahi. Explicit Hilbert spaces for certain unipotent representations. III. *J. Funct. Anal.*, 201(2):430–456, 2003.
- [51] Pradeep Dubey and Siddhartha Sahi. Price-mediated trade with quantity signals: an axiomatic approach. *J. Math. Econom.*, 39(5-6):377–389, 2003. Special issue on strategic market games.
- [52] Martin Andler, Alexander Dvorsky, and Siddhartha Sahi. Kontsevich quantization and invariant distributions on Lie groups. *Ann. Sci. École Norm. Sup. (4)*, 35(3):371–390, 2002.

- [53] Siddhartha Sahi. Some properties of Koornwinder polynomials. In *q-series from a contemporary perspective (South Hadley, MA, 1998)*, volume 254 of *Contemp. Math.*, pages 395–411. Amer. Math. Soc., Providence, RI, 2000.
- [54] Siddhartha Sahi. A new formula for weight multiplicities and characters. *Duke Math. J.*, 101(1):77–84, 2000.
- [55] Martin Andler, Alexander Dvorsky, and Siddhartha Sahi. Deformation quantization and invariant distributions. *C. R. Acad. Sci. Paris Sér. I Math.*, 330(2):115–120, 2000.
- [56] Siddhartha Sahi. Nonsymmetric Koornwinder polynomials and duality. *Ann. of Math. (2)*, 150(1):267–282, 1999.
- [57] Alexander Dvorsky and Siddhartha Sahi. Explicit Hilbert spaces for certain unipotent representations. II. *Invent. Math.*, 138(1):203–224, 1999.
- [58] Siddhartha Sahi. The binomial formula for nonsymmetric Macdonald polynomials. *Duke Math. J.*, 94(3):465–477, 1998.
- [59] Alexander Dvorsky and Siddhartha Sahi. Tensor products of singular representations and an extension of the θ -correspondence. *Selecta Math. (N.S.)*, 4(1):11–29, 1998.
- [60] Friedrich Knop and Siddhartha Sahi. A recursion and a combinatorial formula for Jack polynomials. *Invent. Math.*, 128(1):9–22, 1997.
- [61] Siddhartha Sahi. A new scalar product for nonsymmetric Jack polynomials. *Internat. Math. Res. Notices*, (20):997–1004, 1996.
- [62] Siddhartha Sahi. Interpolation, integrality, and a generalization of Macdonald’s polynomials. *Internat. Math. Res. Notices*, (10):457–471, 1996.
- [63] Friedrich Knop and Siddhartha Sahi. Difference equations and symmetric polynomials defined by their zeros. *Internat. Math. Res. Notices*, (10):473–486, 1996.
- [64] Siddhartha Sahi. Jordan algebras and degenerate principal series. *J. Reine Angew. Math.*, 462:1–18, 1995.
- [65] Siddhartha Sahi. The spectrum of certain invariant differential operators associated to a Hermitian symmetric space. In *Lie theory and geometry*, volume 123 of *Progr. Math.*, pages 569–576. Birkhäuser Boston, Boston, MA, 1994.
- [66] Siddhartha Sahi. Unitary representations on the Shilov boundary of a symmetric tube domain. In *Representation theory of groups and algebras*, volume 145 of *Contemp. Math.*, pages 275–286. Amer. Math. Soc., Providence, RI, 1993.

- [67] Siddhartha Sahi. Logarithmic convexity of Perron-Frobenius eigenvectors of positive matrices. *Proc. Amer. Math. Soc.*, 118(4):1035–1036, 1993.
- [68] Bertram Kostant and Siddhartha Sahi. Jordan algebras and Capelli identities. *Invent. Math.*, 112(3):657–664, 1993.
- [69] Pradeep Dubey, Siddhartha Sahi, and Martin Shubik. Repeated trade and the velocity of money. *J. Math. Econom.*, 22(2):125–137, 1993.
- [70] Siddhartha Sahi. Explicit Hilbert spaces for certain unipotent representations. *Invent. Math.*, 110(2):409–418, 1992.
- [71] Siddhartha Sahi. The Capelli identity and unitary representations. *Compositio Math.*, 81(3):247–260, 1992.
- [72] Bertram Kostant and Siddhartha Sahi. The Capelli identity, tube domains, and the generalized Laplace transform. *Adv. Math.*, 87(1):71–92, 1991.
- [73] Siddhartha Sahi and Elias M. Stein. Analysis in matrix space and Speh’s representations. *Invent. Math.*, 101(2):379–393, 1990.
- [74] Siddhartha Sahi. A simple construction of Stein’s complementary series representations. *Proc. Amer. Math. Soc.*, 108(1):257–266, 1990.
- [75] Dan Barbasch, Siddhartha Sahi, and Birgit Speh. Degenerate series representations for $GL(2n, \mathbf{R})$ and Fourier analysis. In *Symposia Mathematica, Vol. XXXI (Rome, 1988)*, Sympos. Math., XXXI, pages 45–69. Academic Press, London, 1990.
- [76] Rabah Amir, Siddhartha Sahi, Martin Shubik, and Shun Tian Yao. A strategic market game with complete markets. *J. Econom. Theory*, 51(1):126–143, 1990.
- [77] Siddhartha Sahi and Shuntian Yao. The noncooperative equilibria of a trading economy with complete markets and consistent prices. *J. Math. Econom.*, 18(4):325–346, 1989.
- [78] Siddhartha Sahi. On Kirillov’s conjecture for Archimedean fields. *Compositio Math.*, 72(1):67–86, 1989.
- [79] Siddhartha Sahi and Martin Shubik. A model of a sudden-death field-goal football game as a sequential duel. *Math. Social Sci.*, 15(3):205–215, 1988.