Prof. Arun Ram

Chair Of Pure Mathematics

Mathematics and Statistics

Contact

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Credentials

Position

Chair Of Pure Mathematics
Mathematics and Statistics

Education

DOCTOR OF PHILOSOPHY IN
MATHEMATICS
University of California - San Diego

BACHELOR OF SCIENCE
Massachusetts Institute of Technology

ORCID

0000-0002-0068-8103

| | 54 Scholarly works | 4 Projects |

HIGHLIGHTS

| 2020 | THE THICKNESS OF SCHUBERT CELLS AS INCIDENCE STRUCTURES |
| JOURNAL ARTICLE | DOI: 10.1017/S1446788719000363 |

| 2020 | Positive Level, Negative Level and Level Zero |
| BOOK CHAPTER | DOI: 10.1007/978-981-15-7451-1_7 |

| 2019 | A Fock space model for decomposition numbers for quantum groups at roots of unity |
| JOURNAL ARTICLE | DOI: 10.1215/21562261-2019-0031 |

| 2019 | THE STEINBERG-LUSZTIG TENSOR PRODUCT THEOREM, CASSELMAN-SHALIKA, AND LLT POLYNOMIALS |
| JOURNAL ARTICLE | DOI: 10.1090/ert/524 |

| 2014 | Cyclic representations of the periodic Temperley-Lieb algebra, complex Virasoro representations and stochastic processes |
| JOURNAL ARTICLE | DOI: 10.1088/1751-8113/47/21/212003 |

| 2014 | Hopf algebras and Markov chains: two examples and a theory |
| JOURNAL ARTICLE | DOI: 10.1007/s10801-013-0456-7 |

| 2013 | Tantalizer algebras and generalized lattice models |
| RESEARCH GRANT | |

Arun Ram

RECENT SCHOLARLY WORKS

2014
JOURNAL ARTICLE

AFFINE AND DEGENERATE AFFINE BMW ALGEBRAS: THE CENTER

DOI: 10.18910/29192

2013
JOURNAL ARTICLE

Generalized Schubert Calculus

2013
JOURNAL ARTICLE

Symmetry breaking, subgroup embeddings, and the Weyl group

DOI: 10.1103/PhysRevD.87.105009

2013
JOURNAL ARTICLE

Affine and degenerate affine BMW algebras: actions on tensor space

DOI: 10.1007/s00029-012-0105-3

RECENT PROJECTS

2012
RESEARCH GRANT

Coset spaces and Hecke algebra actions

2009
RESEARCH GRANT

Representation Theory: Path models and decompositions

2008
RESEARCH CONTRACTS

MACDONALD POLYNOMIALS: COMBINATORICS AND REPRESENTATIONS