ALGEBRA AND GEOMETRY SEMINAR
The Hong Kong University of Science and Technology
Department of Mathematics

q-characters for quantum loop groups
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q-characters are a mainstay of the representation theory of quantum affine algebras. We generalize this theory to all quantum loop algebras, that underlie arbitrary Kac-Moody Lie algebras instead of just semisimple Lie algebras, as well as introduce new techniques for the computation of q-characters.

Room 3598 (Lifts 27/28) Fri, Feb 14, 2025 04:30 PM