
GEORGIA BENKART, University of Wisconsin–Madison, 480 Lincoln Dr., Madison, WI 53706, USA

Motzkin Algebras

This talk will feature a certain algebra of diagrams called the Motzkin algebra, which was introduced in our recent joint work with T. Halverson. These algebras have beautiful algebraic and combinatorial properties and are related to Temperley–Lieb algebras and to the representation theory of quantum enveloping algebra $U_q(\mathfrak{sl}_2)$.