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Temperley-Lieb combinatorics

Temperley-Lieb algebras have appeared in many diverse settings in connection with statistical mechanics, subfactors of von Neumann algebras, and knot and link invariants. They are subalgebras of Brauer algebras and are closely related to the representation theory of orthogonal and symplectic Lie algebras. This talk will focus on some representations of Temperley-Lieb algebras, their centralizing algebras, and their combinatorics. This is joint work with Dongho Moon.