ALGEBRA SEMINAR

Separating invariants for multisymmetric polynomials

By

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Abstract: Separating invariants are subsets of an invariant ring (of a finite or, more generally, a linear algebraic group) which separate the orbits as much as it is possible with polynomial invariants. These sets can be significantly smaller than sets of generating invariants, which by definition generate the invariant ring as an algebra over the base field. In this talk we focus on separating invariants for multisymmetric polynomials. They have been classically studied as the generalizations of symmetric polynomials in n variables to m sets of n variables. The results presented are joint work with Artem Lopatin.

Date: 10 December 2020
Time: 14:00 – 14:50
Place: ZOOM. To request the event link, please send a message to
sezer@fen.bilkent.edu.tr