



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Algebraic Geometry and Representation Theory Seminar

Room 261 ,Ziskind Building
on Wednesday, Jun 24, 2015
at 11:00

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Galois groups and splitting fields of Mori trinomials

Abstract:

We discuss a certain class of irreducible polynomials over the rationals that was introduced by Shigefumi Mori forty years ago in his Master Thesis. We prove that the Galois group of a Mori polynomial coincides with the corresponding full symmetric groups and the splitting field is "almost" unramified over its quadratic subfield.