

# BERNSTEIN–SATO POLYNOMIALS FOR IDEALS IN SEMIGROUP RINGS

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We extend the Budur–Mustață–Saito definition of Bernstein–Sato polynomials for varieties, to the context of ideals in normal semigroup rings. In the special case of monomial ideals in normal semigroup rings, we also provide a correspondence between certain roots of the Bernstein–Sato polynomial and certain jumping coefficients of the corresponding multiplier ideals.

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