

1171-13-227

Daniel Hernández* (hernandez@ku.edu) and **Emily Witt**. *Explicit formulas for Bernstein-Sato polynomials via reduction to prime characteristic.*

About 15 years ago, Mustața, Takagi, and Watanabe observed that uniform formulas for Frobenius thresholds – or more precisely, uniform formulas for the terms of the sequence whose limit is a Frobenius threshold – give rise to roots of Bernstein-Sato polynomials. In this talk, we describe the first systematic application of this observation, which occurs in the context of complex plane algebroid curves. This is joint work with Emily Witt. (Received August 16, 2021)