

UBC Number Theory Seminar: December 15, 2021

Speaker: Julia Hartmann (University of Pennsylvania)

Title: Local-global principles for linear algebraic groups over arithmetic function fields

Abstract: Arithmetic function fields are one variable function fields over complete discretely valued fields. They naturally admit several collections of overfields with respect to which one can study local-global principles. The talk will concern such local-global principles for torsors under linear algebraic groups, as well as their obstructions. (Joint work with J.L.-Colliot-Thélène, D. Harbater, D. Krashen, R. Parimala, and V. Suresh.)