

Alan Sokal (University College London and New York University)

Title: *Multiple orthogonal polynomials and branched continued fractions: An unexpected connection*

Abstract: I point out an unexpected connection between multiple orthogonal polynomials and d -orthogonal polynomials on the one hand, and production matrices and branched continued fractions on the other - objects that arose over the past few decades in the special-functions and enumerative-combinatorics communities, respectively.