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Matrix Representations for Bernoulli and Euler Polynomials

Abstract. Probabilistic interpretations of Bernoulli and Euler polynomials recognize them as moments of certain random variables. Classical results on continued fractions identify moment and generalized Motzkin number, whose combinatorial interpretation is weighted lattice path. This allows us to derive the matrix representations for Bernoulli and Euler polynomials. This is joint work with Diane Shi.