

1103-05-85

Daniel Birmajer, Juan B Gil and Michael D Weiner* (mdw8@psu.edu), Penn State Altoona, 3000 Ivyside Park, Altoona, PA 16601. *On Convolutions of Linear Recurrence Sequences*. Preliminary report.

For arbitrary homogeneous linear recurrence sequences with constant coefficients, we use a representation in terms of partial Bell polynomials to discuss combinatorial formulas for multifold convolutions. We will also discuss how these formulas extend to more general linear recurrence sequences. (Received August 13, 2014)