1176-33-57   **Rachel L Bailey*** (`rachel.bailey@uconn.edu`). *The Dubov-Eleonskii-Kulagin Polynomials and a Modification of the Christoffel formula.*

In this talk we will discuss non-classical orthogonal polynomials introduced by Dubov, Eleonskii and Kulagin. These polynomials are one of the first examples of exceptional orthogonal polynomials and have deep connections with Hermite polynomials. We will show that Hermite polynomials can be obtained from the Dubov-Eleonskii-Kulagin polynomials via a modification of the Christoffel formula since the classical form cannot be applied in this case. (Received January 11, 2022)