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**Susanna Fishel\*** (sfishel1@asu.edu), **Jessica Gatica**, **Luc Lapointe** and **Maria-Elena Pinto**. *Quasisymmetric functions in superspace*.

Abstract: Symmetric functions in superspace were developed to study the supersymmetric version of the quantum Calogero-Sutherland model of identical particles on a circle. They are a generalization of symmetric functions: we still have the variables  $x_1, x_2, \dots$  and additionally we have anticommuting variables  $\theta_1, \theta_2, \dots$ . Superspace analogues of Macdonald, Jack, and Schur polynomials have been defined in a series of papers by Desrosiers and others. I will discuss quasisymmetric functions in superspace. This is work in progress, joint with Jessica Gatica, Luc Lapointe, and Maria-Elena Pinto. (Received February 28, 2020)