1134-05-326 **Susanna Fishel*** (sfishel1@asu.edu), **Luc Lapointe** and **Maria-Elena Pinto**.

*Quasisymmetric functions in superspace.* Preliminary report.

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 $x_1, x_2, \ldots$ and additionally we have anticommuting variables $\theta_1, \theta_2, \ldots$. 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 Luc Lapointe and Maria-Elena Pinto. (Received September 11, 2017)