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Brendan Pawlowski and **Brendon Rhoades*** (bprhoades@math.ucsd.edu). *Line configurations and the Delta Conjecture.*

The *Delta Conjecture* of Haglund-Remmel-Wilson predicts an extension of the Shuffle Theorem of Macdonald theory. In joint work with Haglund and Shimozono, the second author defined a graded S_n -module which plays the role of a ‘coinvariant ring’ for the Delta Conjecture. It is well known that the coinvariant ring presents the cohomology of the manifold of complete flags in \mathbb{C}^n . Given two positive integers $k \leq n$, we describe a variety $X_{n,k}$ of ‘line configurations’ which serves as a generalization of the flag manifold for the Delta Conjecture. (Received September 25, 2017)