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Shane Chern* (shanechern@psu.edu), Department of Mathematics, The Pennsylvania State University, University Park, PA 16802, and **Zhitai Li**. *Kanade–Russell conjectures and linked partition ideals*.

The concept of linked partition ideals, introduced by George Andrews in the 1970s, may play an important role in finding generating functions for various partition sets.

In this talk, I will interpret partition sets with certain difference-at-a-distance themes under this setting. These partition sets are closely related to the Kanade–Russell conjectures. In particular, I will recover six generating function identities due to Kanade and Russell, and Kursungoz. I will also present more identities of the same flavor.

This is joint work with Zhitai Li from Penn State University. (Received September 17, 2018)