

7/31 [Will Donovan] Windows on the Pfaffian-Grassmannian correspondence

The Pfaffian-Grassmannian correspondence relates certain pairs of non-birational Calabi-Yau threefolds which can be proved to be derived equivalent. I construct a family of derived equivalences using mutations of an exceptional collection on the relevant Grassmannian, and explain a mirror symmetry interpretation. This follows a physical analysis of Eager, Hori, Knapp, and Romo, and builds on work with Addington and Segal.