Motivic Donaldson-Thomas series of deformed Calabi-Yau geometries

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Motivic DT theory gives a refined count of objects in 3-CY categories, for example sheaves on Calabi-Yau threefolds. In the local quiver setting, it is natural to ask about motivic counts of objects in categories defined by deformed Calabi-Yau spaces, such as quantum three-space, the affine cone over the Jordan plane, or the quantized noncommutative conifold. We compute the answer in some cases, and conjecture it in some others, based on an intriguing and sofar not always precise formula involving the motivic count of "deformed point objects". (Joint work with Alberto Cazzaniga, Andrew Morrison and Brent Pym)