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Towards a reduced Mirror Symmetry for Quartic K3s

The Gromov-Witten invariants of a K3 are well-known to be trivial, which can be seen either from a deformation theoretic standpoint or by computing the B-model correlation functions of a one-parameter family of K3s and using the mirror map. However, they do have a rich *reduced* theory on the A-model side, and so this raises the natural question: What is the structure on the B-model which corresponds to this reduced theory? In joint work with Helge Ruddat we provide some first steps towards answering this question.