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Eugene, OR 97403. *LG/CY correspondence for one-folds.*

One way to understand Landau-Ginzburg/Calabi-Yau correspondence is to study Gromov-Witten theory of a Calabi-Yau variety (or orbifold) and Fan-Jarvis-Ruan-Witten theory of a counterpart LG model for a quasihomogeneous polynomial. When the target Calabi-Yau is one dimensional, their GW/FJRW invariants are controlled by tautological relations from moduli space of stable curves. They are coefficients of expansions of appropriate quasi-modular forms at different points. As a consequence, we can realize the correspondence by Cayley transformations. The works are joint with Jun Li and Jie Zhou. (Received January 25, 2019)