Gamma II conjecture and HMS for toric Fanos

Bohan Fang

The oscillatory integral in the mirror Landau-Ginzburg model of a toric Fano gives its genus 0 Gromov-Witten descendant potential. The cycle of this integral corresponds to the K-theoretically framed Chern character in the GW potential. This correspondence matches the homological mirror symmetry from the perspective of coherent-constructible correspondence. Passing to the Fukaya category of the Lefschetz fibration by the result of Ganatra-Pardon-Shende, this implies the Gamma II conjecture for toric Fanos. This talk is based on the joint work with Peng Zhou.