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The skein-valued mirror of the topological vertex

Wednesday, June 18, 2025 11:30 AM (1 hour)

Observables of the A-model open topological string encode counts of holomorphic curves with Lagrangian boundary conditions. When Lagrangian A-branes have non-compact support, the count of open holomorphic curves depends on the asymptotic geometry of Lagrangians at infinity. In this talk I will show how the asymptotic geometry of three Legendrian tori in contact S^5 encodes a set of equations whose solutions include the topological vertex, and its analytic continuation to other large volume regions in the moduli space of three toric branes in C^3. Based on joint works with Ekholm-Nakamura, and Ekholm-Shende.

Presenter: LONGHI