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Norman Do

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The double-scaled SYK model and Weil-Petersson volumes.

Okuyama expressed correlators in the double-scaled SYK model in terms of q-dependent polynomials arising from topological recursion on a particular spectral curve. He claimed that these polynomials recover the Weil-Petersson volumes studied by Mirzakhani in the limit as q approaches 1. In this talk, we discuss one-and-a-bit proofs of this conjecture. This is joint work with Paul Norbury and Arlo Taylor.