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**Moshe Cohen\*** (mcohen@tx.technion.ac.il) and **Sunder Ram Krishnan**. *The probability of choosing the unknot among 2-bridge knots using random Chebyshev billiard table diagrams.*

Koseleff and Pecker showed that every knot can be parametrized as a generalized harmonic curve using Chebyshev polynomials and a single phase shift. These have diagrams that appear as nice trajectories on billiard tables. We present a truncated model for random knotting using these diagrams giving all 2-bridge knots together with the unknot. We determine the probability of choosing any of these knots.

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