

Distribution of geodesics on Riemann surfaces

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The picture below displays 72 simple closed geodesics—all of the same length—drawn on a fundamental domain of the Riemann surface of genus two that has the maximal numbers of symmetries. Geodesics on Riemann surfaces, in particular the simple ones, have fascinating properties. The lecture will be on an informal level and talk about old and new results. It will also show more pictures and say how they have been drawn.

