

## DENSITY OF STATES OF JACOBI OPERATORS

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I will present new results on the density of the spectrum of Jacobi operators. More precisely, I will give new and general conditions on the coefficients of a Jacobi operator for which one can explicitly compute its density of states; our conditions extend the recent results of Van Assche, Kuijlaars and Sera Capizzano et al. I will conclude with some applications to discrete Schrödinger operators and the quantum asymmetric top.