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On Separation of Eigenvalues for Quasiperiodic Schroedinger Operators

In the past decade, great progress has been made in the study of Schroedinger operators with analytic potentials by employing complex analytic methods. I will give an overview of these methods and I will discuss a recent result, obtained jointly with Ilia Binder, on separation of the finite scale eigenvalues for quasiperiodic Schroedinger operators.