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The Bethe Ansatz Out of Equilibrium: Exact calculations of steady-state properties in quantum impurity models PANKAJ MEHTA, NATAN ANDREI, Rutgers University — We develop a scattering approach to the computation of steady state properties in quantum impurity models by generalizing the Bethe Ansatz approach to out of equilibrium situations. We present our results for the I-V charecteristics of the interacting resonant level model and compare with Keldysh where results are available. We also discuss calculations in progress to use this approach to describe quantum dots subject to a finite bias.

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