

Scattering in the A_2 singularity

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In this talk, we will show how ideas from scattering theory can be used to study singularities of integrable Hamiltonian systems. Our main example will be that of a cusp, that is, an integrable 1 degree of freedom system with an A_2 singularity at the origin. Connections to scattering monodromy and marked molecules will also be discussed.