

Abstract Submitted
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Three body elastic scattering in the shape independent representation¹ SERGE OVCHINNIKOV, JOSEPH MACEK, University of Tennessee, Knoxville — Exact solutions of the three-body Schrödinger equation with shape independent two-body interactions are obtained in closed form. A consistency equation relating the wave equation at large distances to the wave function where the three particles coincide is derived. Our solution satisfies this relation to high order.

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