



Семинар  
«МАЛОЧАСТИЧНЫЕ СИСТЕМЫ»  
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аудитория им. Д.И.Блохинцева (IV этаж)

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**TWO-DIMENSIONAL LOW-ENERGY SCATTERING  
OF A QUANTUM PARTICLE IN THE COMBINED FIELD  
OF THE COULOMB AND POWER POTENTIALS**

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We study the two-dimensional scattering of a quantum particle by the force center acting on it through a superposition of the Coulomb and power potential  $V_0 r^{-\beta}$  with the exponent  $\beta \in (1, 2)$ . For this scattering, we found explicit low-energy asymptotics of all partial phase shifts and amplitudes.