

ENERGY THRESHOLDS OF STABILITY OF THREE-PARTICLE SYSTEMS

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S u m m a r y

We have studied the general properties of the energy thresholds of stability for a three-particle system with short-range interaction. A wide region of the interaction constants and various ratios of the masses of particles are considered. The specific effects characteristic of the near-threshold stationary energy levels of three particles are revealed. The asymptotic estimates are obtained at same limiting cases, and the high-precision variational calculations of the thresholds for various values of the interaction constants and the masses of particles are carried out.