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The study on three-body systems \eta K^* \bar{K}^*, \pi K^* \bar{K}^* and K K^* \bar{K}^*by Faddeev fixed-center approximation.

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We study three-body systems \eta K^*bar{K}^*, \pi K^*bar{K}^* and K K^*bar{K}^* by Faddeev fixed-center approximation. Under fixed-center approximation framework, we can view a three-body system as a cluster which is generated by two particles in system and the third particle, where we view K^*bar{K}^*cluster as f_0(1710), a_0(1710) and f_2'(1525), respectively, and scatter \eta, \pi and K on K^*bar{K}^*. In module squared amplitude of three-body systems, we find \eta(2100) , \pi(2070) and \eta_2(1780) for \eta K^*bar{K}^*, \eta(2100), \pi(2070) and \pi _2(1880) for \pi K^*bar{K}^* and several new states for K K^*bar{K}^*. Our results offer some new views for some further states and exotic states.

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