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Title: *“Lidov-Kozai effect: flips and collisions”*

Abstract. Several variants of Lidov-Kozai effect are considered for the Sun–Earth–Satellite problem. Some of them cannot be described by the standard integrable model. Different cases of dynamical evolution (including flips and collisions with the Earth) occur depending on initial positions of the perturbing body. So, the method of double averaging is incorrect for these cases.

Joint work with Leonid Sokolov.