

Erratum to “Periodic orbits of the planar collision restricted 3-body problem”

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In the proofs of Theorems 1 and 8 of the mentioned paper we show that two characteristic multipliers of the unperturbed system are different from $+1$. We must mention explicitly that our Hamiltonian system has the first integral Θ , i.e. the X_3 component of angular momentum. Then working with the Poincaré map in a momentum level $\Theta = c \neq 0$, it is sufficient to see that two of the mentioned characteristic multipliers are different from $+1$ in order that the proofs of both theorems are complete.

In general for periodic Hamiltonian systems with two degrees of freedom it is necessary to see that the four characteristic multipliers of the unperturbed system are different from $+1$. But this is not the case for our special Hamiltonian system.

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