TROJAN TYPE MOTIONS IN THE SOLAR SYSTEM

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Wide distribution of Trojan type motions among the small bodies of the Solar system emphasize the importance of 1:1 resonance in the dynamical structure of the Solar system. As of mid-1994 nearly 300 asteroids of Trojan groups and one Mars Trojan - Euvreka had been discovered. Recently few trans-Neptunian object, a possible candidates to be o Neptune Trojans have been found.
Dynamical structure of the Jupiter Trojan belt had been investigated. It have been shown that some Trojans can have common collisional origin although the possibility of this is not very high. In addition the possibility of existence of stable Trojan type motions among the trans-Neptunian objects have been estimated using numerical integration.

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