

Resonant Kuiper Belt Objects - a review

Renu MALHOTRA

The University of Arizona, Tucson

Our understanding of the history of the solar system has undergone a revolution in recent years, owing to new theoretical insights into the origin of Pluto and the discovery of the Kuiper belt and its rich dynamical structure. The emerging picture is one of dramatic orbital migration of the planets in the early history of the solar system, driven by interaction with the primordial Kuiper belt, which produced the final solar system architecture that we live in today. I will provide a brief summary of this new view of our solar system's history, and review the astronomical evidence in the resonant populations of the Kuiper belt.