

The dynamics of the planetary satellites

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The planetary satellites consist in a large variety of objects very different. We built dynamical models in order to provide accurate ephemerides. For that purpose we had to include in our modeling, the surface features of the satellites as well as the internal structure. We organize campaigns of observations and re-analyze old observations in order to get accurate data allowing to constrain the parameters of our models. This allows an exploration of the planetary satellites from ground-based observations, preparing the future space missions. We will review the status of each system of planetary satellites.