



Contribution ID: 57

Type: **Contributed**

## Resonance structures of multi-planet systems before PLATO era

*Wednesday, May 15, 2024 11:40 AM (20 minutes)*

Multi-planet systems are important for understanding how the planets form and evolve. The information about the planetary system evolutionary scenarios is encrypted in one of the robust observational features, namely mean-motion resonances. We present a new method in which the resonance structure can be used to characterise the planetary architectures during different phases of planetary system evolution and in the different stellar environments. This method has a potential to help in the interpretation of PLATO findings.

**Primary author:** SZUSZKIEWICZ, Ewa (University of Szczecin)

**Presenter:** SZUSZKIEWICZ, Ewa (University of Szczecin)

**Session Classification:** System architectures from observations