Name:	Timothy Bovaird
Email:	tbovaird@mso.anu.edu.au
Institution:	Australian National University
Title:	Applying the Titius-Bode Relation to Exoplanetary Systems: Results, Predictions and Confirmations.
Type:	Poster
Session:	Multiple Planets and Multiple Star Systems
Abstract:	(co-author Charley Lineweaver)
	We use the generalized Titius-Bode (TB) relation to make predictions for the periods of u

We use the generalized Titius-Bode (TB) relation to make predictions for the periods of undetected planets in multiple-exoplanet systems. We predict the existence of a low-radius (R < 2.5 Earth Radii) exoplanet within the habitable zone of KOI-812 and that the average number of planets in the habitable zone of a star is 1-2. The usefulness of the TB relation and its validation as a tool for predicting planets will be partially tested by upcoming Kepler data releases. The coplanarity of Kepler systems are investigated to estimate what fraction of our predicted planets are expected to transit their host stars. We prioritize our planet predictions based on their geometric probability to transit. Using this method,we successfully predicted the existence and period of KOI-2722.05 prior to its announcement.