**1st: Callum Predavec, Mosman High School, *Planetary Transfer Calculator***

If you are a fan of the movie *Hidden Figures* then you will love Callum’s amazing planetary transfer calculator (PTC). He has utilised specialised and sophisticated algorithms and clever mathematical manipulations to create a user-friendly platform to calculate various types of transfers - say you want to fly from Earth to Mars or from the International Space Station to the Moon. The PTC is like Google Maps for space - except space has three dimensions, and everything’s moving, all of the time.