1127-14-268   **Rohini Ramadas*** (`ramadas@umich.edu`). *Dynamics on the moduli space $\mathcal{M}_{0,n}$.*

The moduli space $\mathcal{M}_{0,n}$ parametrizes all ways of labeling n distinct points on the Riemann sphere $\mathbb{P}^1$, up to Möbius tranformations. Let $\mathcal{H}$ be a Hurwitz space parametrizing holomorphic maps, with prescribed branching, from one n-marked $\mathbb{P}^1$ to another. $\mathcal{H}$ admits two different maps to $\mathcal{M}_{0,n}$: a "target" map π_t and a "source" map π_s. Since π_t is a covering map, $\pi_s \circ \pi_t^{-1}$ is a multi-valued map – a Hurwitz correspondence – from $\mathcal{M}_{0,n}$ to itself. Hurwitz correspondences arise through work of Koch in topology and Teichmüller theory through Thurston's topological characterization of rational functions on $\mathbb{P}^1$. I will discuss their dynamics via numerical invariants called dynamical degrees. (Received February 05, 2017)