1176-14-20   **Sebastian Bozlee*** (`sebastian.bozlee@tufts.edu`), **Adrian Neff**
(`adrian.neff@colorado.edu`) and **Bob Kuo** (`bob.kuo@colorado.edu`). *A classification of
modular compactifications of the moduli space of pointed elliptic curves.*

We will present a classification of modular compactifications $\mathcal{M}$ of the space $\mathcal{M}_{1,n}$ of smooth n-pointed curves of genus one under the condition that the points of $\mathcal{M}$ represent Gorenstein curves with distinct smooth markings. We uncover new moduli spaces $\overline{\mathcal{M}}_{1,n}(Q)$, which we may think of coming from an enrichment of the notion of level used to define Smyth's m-stable spaces. Time permitting, we will sketch the tropical techniques that identified these new spaces and our method of classification. (Received December 28, 2021)