1026-14-223   **Ana-Maria Castravet*** (`noni@math.umass.edu`), University of Massachusetts, Amherst, MA 01003. *The Cox ring of $\overline{M}_{0,6}$.*

We prove that the Cox ring of $\overline{M}_{0,6}$, the moduli space of stable 6-pointed rational curves, is generated by sections corresponding to boundary and pull-backs of the hyperelliptic locus in $\overline{M}_3$, the moduli space of stable, genus 3 curves, via morphisms $\overline{M}_{0,6} \to \overline{M}_3$ identifying pairs of points on the 6-pointed rational curve. (Received February 27, 2007)