1020-14-103 **Adam E. Parker*** (aparker@wittenberg.edu), Department of Mathematics & Computer Science, P.O. Box 720, Wittenberg University, Springfield, OH 45501. *A GIT construction of* $\overline{M}_{0,n}(\mathbf{P}^r, d)$.

We construct $\overline{M}_{0,n}(\mathbf{P}^r, d)$ as a GIT quotient of the graph space $\overline{M}_{0,n}(\mathbf{P}^r \times \mathbf{P}^1, (d, 1))$. The Givental contraction morphism decends to the quotient, giving us a birational map $\overline{M}_{0,n}(\mathbf{P}^r, d) \to X$ with X a projective variety that we will discuss in this talk. As special cases we get quotient descriptions of $\overline{M}_{0,n}$ and Grassmannians of lines. (Received August 20, 2006)