1093-11-162   **Lucien Szpiro**, **Michael Tepper*** (`mlt16@psu.edu`) and **Phillip Williams**. *Semi-stable reduction implies minimality of the resultant.*

For a dynamical system on $\mathbb{P}^n$ over a number field or a function field, we show that semi-stable reduction implies the minimality of the resultant. We use this to show that every such dynamical system over a number field admits a globally minimal presentation. (Received August 12, 2013)