1096-14-1200 **Hal Schenck*** (schenck@math.uiuc.edu), Math Department, University of Illinois, 1409 W. Green St, Urbana, IL 61801, and **Hiroaki Terao** and **Masahiko Yoshinaga**. *Logarithmic vector fields and curve configurations in the projective plane.*

Let $\mathcal{A} = \bigcup_{i=1}^{r} C_i \subseteq \mathbb{P}^2$ be a collection of smooth plane curves, such that each singular point is quasihomogeneous. We prove that if C is a smooth curve such that each singular point of $\mathcal{A} \cup C$ is also quasihomogeneous, then there is an elementary modification of rank two bundles,which relates the $\mathcal{O}_{\mathbb{P}^2}$–module $Der(log\mathcal{A})$ of vector fields on $\mathbb{P}^2$ tangent to $\mathcal{A}$ to the module $Der(log\mathcal{A} \cup C)$. This yields an inductive tool for studying the splitting of the bundles $Der(log\mathcal{A})$ and $Der(log\mathcal{A} \cup C)$, depending on the geometry of the divisor $\mathcal{A}|_C$ on C. (Received September 13, 2013)