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Angela C Gibney* (agibney@uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30602, and **Valery Alexeev, David Swinarski, Maxim Arap and Jim Stankewicz.** *Conformal Blocks Divisors on $\overline{M}_{0,n}$ from \mathfrak{sl}_2 and \mathfrak{sl}_n .*

Given a simple Lie algebra \mathfrak{g} , a positive integer ℓ called the level, and an appropriately chosen n -tuple of dominant integral weights $\overline{\lambda}$ of level ℓ , one can define a vector bundle on the stacks $\overline{M}_{g,n}$ whose fibers are the so-called vector spaces of conformal blocks. On $\overline{M}_{0,n}$, first Chern classes of these vector bundles turn out to be semi-ample divisors, and so define morphisms. In this talk I will discuss what we have learned by looking at the simplest examples of these divisors. (Received January 12, 2011)