1086-14-2687 **Jaeho Shin*** (`jshin@math.uga.edu`), University of Georgia, Department of Mathematics, DW Brooks Drive, Athens, GA 30602. *The Reduction Map for the Moduli Spaces of Weighted Stable Hyperplane Arrangements.* Preliminary report.

Alexeev constructed moduli spaces of weighted stable hyperplane arrangements generalizing the Hasset's moduli space of curves of genus 0 with weighted n points. For curves, the reduction map $\overline{\mathcal{M}}_{(1,1,\ldots,1)}(2,n) \to \overline{\mathcal{M}}_{(b_1,b_2,\ldots,b_n)}(2,n)$ is surjective for any weight $(b_1, b_2, \ldots, b_n)$. We prove that for surfaces, the reduction map is surjective when $n = 5, 6, 7, 8$ and there is a counterexample when $n \geq 9$. (Received September 25, 2012)