Meeting: 1001, Evanston, Illinois, SS 21A, Special Session on Low-Dimensional Topology and Kleinian Groups

1001-51-198 **Christopher J. Leininger*** (clein@math.columbia.edu), Department of Mathematics, Columbia University, 2990 Broadway MC 4448, New York, NY 10027, and **Alan W. Reid**. *A combination theorem for Veech subgroups of the mapping class group.* Preliminary report.

We prove a combination theorem for Veech subgroups of the mapping class group analogous to the first Maskit combination theorem for Kleinian groups in which the amalgamating subgroup is of parabolic type. As a corollary, we construct subgroups of the mapping class group (for all genus at least 2), which are isomorphic to non-abelian surface groups in which all but one conjugacy class of elements (up to powers) is pseudo-Anosov. (Received August 25, 2004)