1086-08-2522   **Rob Laber***, UCSC, Mathematics Department, 1156 High St., Santa Cruz, CA 95064, and **Geoffrey Mason**. *Psuedo Vertex Operator Algebras and Conformal Flows.* Preliminary report.

A vertex operator algebra (VOA) is a vertex algebra V endowed with, among other things, an endomorphism $L(0)$ which acts semisimply on V with integral spectrum. A psuedo vertex operator algebra generalizes the notion of VOA by relaxing these requirements on $L(0)$. We show that, given a VOA V, one can generate a family of psuedo VOAs by "shifting" the $L(0)$ operator, and we show that there is a finite dimensional Lie algebra associated to V which serves as a coarse moduli space for this family. This moduli space is related to the notion of "conformal flow" in physics. (Received September 25, 2012)