1047-37-247 **Kevin M Pilgrim*** (pilgrim@indiana.edu), Dept. Math., Rawles Hall, Indiana University, Bloomington, IN 47405, and **Peter Haissinsky** (phaissin@cmi.univ-mrs.fr), LATP/CMI, Universite de Provence, 39 rue Frederic Joliot-Curie, 13453 Marseille 13, France. *Thurston obstructions and Ahlfors regular conformal dimension.*

For suitably expanding $f : S^2 \to S^2$, we associate a natural quasisymmetry class of Ahlfors regular metrics in which the dynamics is (non-classically) conformal, and we bound from below their Hausdorff dimension in terms of homotopy-theoretic invariants associated to f. (Received January 29, 2009)