Miaohua Jiang* (jiangm@wfu.edu), PO BOX 7388, Department of Mathematics, Wake Forest University, Winston Salem, NC 27109. *Extension of Laminations into Foliations in Hyperbolic Systems.*

For uniformly hyperbolic systems of codimension one, We show that the local invariant stable or unstable laminations can be extended into differentiable foliations of open sets. This extension enables proofs of derivative formulas of the generalized SRB measure and its entropy, the root to the Bowen’s equation, and the Hausdorff dimension of the hyperbolic set when the manifold is of dimension two. (Received January 27, 2014)