

**Meeting:** 998, Houston, Texas, SS 8A, Special Session on Dynamical Systems

998-37-225            **Miaohua Jiang\*** (jiangm@wfu.edu), Department of Mathematics, Wake Forest University, Winston-Salem, NC 27109, and **Rafael de la Llave** (llave@mail.ma.utexas.edu). *Linear Response functions of Coupled Hyperbolic Attractors*. Preliminary report.

We extend Ruelle's derivative formula of Sinai-Ruelle-Bowen measures with respect to the underlying dynamical systems to the weakly coupled hyperbolic attractors over a d-dimensional integer lattice. We show that the formula remains unchanged when the terms of the formula are properly interpreted.

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