

WICHITA STATE UNIVERSITY  
Department of Mathematics and Statistics

*The Lecture Series in the  
Mathematical Sciences Presents Our Guest:*

Dr. Christian Wolf  
Wichita State University

“Entropy, Pressure and Periodic Orbits”

Abstract:

In this talk we will discuss in detail the notions of entropy and topological pressure. In particular, we will explore the relationship between these dynamical invariants and the growth rates of saddle points in the case of smooth dynamical systems. These relationships are classical results by R. Bowen and D. Ruelle in the case of uniformly hyperbolic dynamical systems, and have been recently extended by K. Gelfert and myself to a wide class of non-uniformly hyperbolic systems. The first half of this talk will be structured toward a general audience.

Friday, October 13, 2006  
3:00 PM in 372 Jabara Hall

*Please come join us for refreshments before the lecture  
at 2:30 p.m. in room 353 Jabara Hall.*