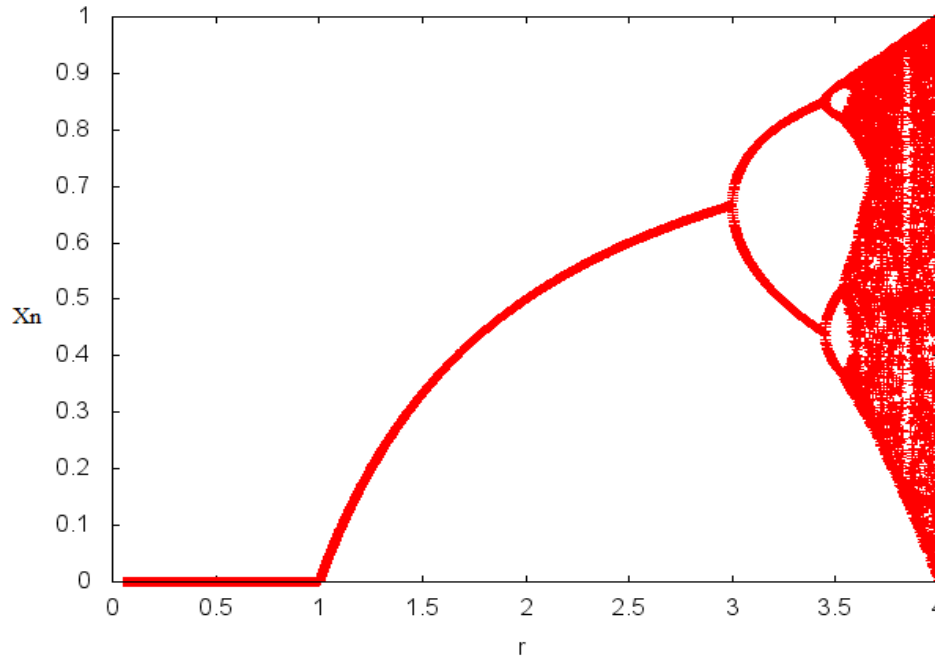




PI Math Club
is pleased to present a talk by

Dr. Desi Vasquez
IPFW Department of Physics



“Chaos in Dynamical Systems”

Systems that evolve with time, such as insect populations or fluid flows, sometimes present erratic and seemingly random behavior. Nevertheless, the systems are fully deterministic: the future can be completely determined from the current state of the system. In this talk, we will present two models that exhibit this type of behavior. We will explore a very simple model population model that shows a transition to chaos from a steady state, as we vary a single parameter. We will also present a combustion model that exhibits chaotic behavior as we vary the size of the domain.

Wednesday, November 16, 2016
at noon
in room KT 216

Free pizza and pop for PI Math Club members following the talk.
(\$1 for non-members)
Open to all interested.