## Abstract

This talk is concerned with the pulsating traveling waves and entire solutions of periodic lattice dynamical systems. In the monostable case, we first establish the exponential upper and lower bounds of the pulsating wave profiles at minus infinity. Then, we prove the uniqueness and asympotics of all non-critical pulsating traveling waves. In the bistable case, we construct two types of entire solutions with merging two monostable fronts and a bistable front.