BIFURCATION OF PERIODIC SOLUTION IN A THREE-UNIT NEURAL NETWORK WITH DELAY

林怡平

摘要　　A system of three-unit networks with no self-connection is investigated, the general formula for bifurcation direction of Hopf bifurcation is calculated, and the estimaion formula of the period for periodic solution is given.

关键词　　Hopf bifurcation, bifurcation

分类号

BIFURCATION OF PERIODIC SOLUTION IN A THREE-UNIT NEURAL NETWORK WITH DELAY

LIN YIPINC

Department of Mathematics, Kunming University of Science and Technology, Kunming 650093, China
ROLAND LEMMERT PETER VOLKMANN

Abstract　A system of three-unit networks with no self-connection is investigated, the general formula for bifurcation direction of Hopf bifurcation is calculated, and the estimaion formula of the period for periodic solution is given.

Key words　　Hopf bifurcation　bifurcation direction　three-unit network system

DOI:

通讯作者