INTERNATIONAL JOURNAL OF BIOMATHEMATICS
Vol. 8, No. 6 (November 2015)

CONTENTS

(*Continued*)

Covered in Science Citation Index Expanded (also known as SciSearch®), Journal Citation Reports/Science Edition, Biological Abstracts, BIOSIS Previews

CONTENTS — (*Continued*)

International Journal of Biomath
Vol. 8, No. 6 (2015) 1550071 (17

DOI: 10.1142/S179352451550071

Global exponent
with

L

In this paper, a class of cellul
is studied. The nonlinear trar
multi-proportional delays int
varying coefficients. By appl
delay differential inequality,
conditions are derived for e
stability of equilibrium of the
And several examples and th
obtained results.

Keywords: Cellular neural n
Brouwer fixed point theorem;

Mathematics Subject Classifi

1. Introduction

In recent years, delayed cellu
erable attention due to their
nition, signal processing, opt
the equilibrium of the designe
applications, so the stability
ical studies, and a lot of resu
At present, neural networks w
time-varying delays [8, 10, 12
bility results for neural netwo