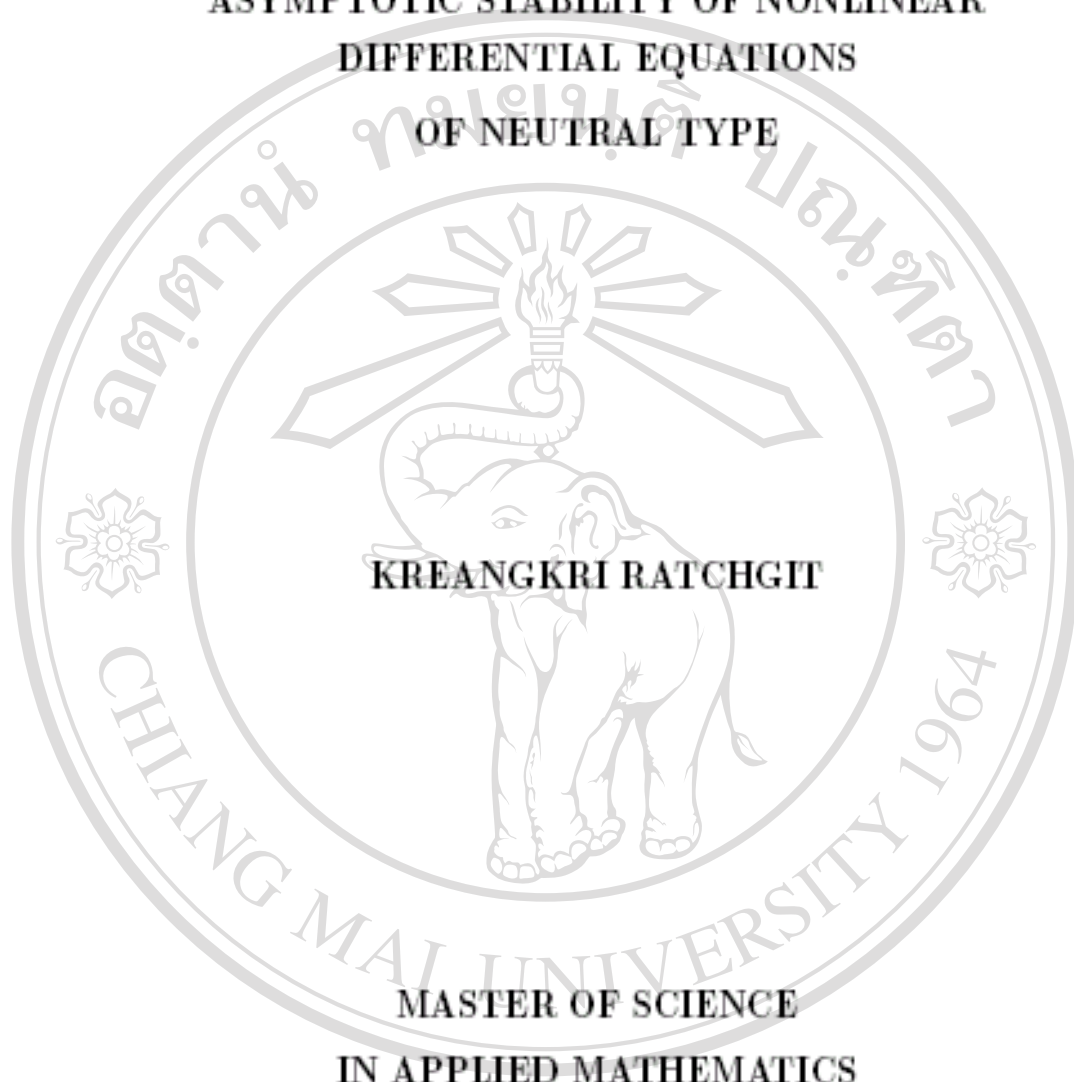


**ASYMPTOTIC STABILITY OF NONLINEAR
DIFFERENTIAL EQUATIONS
OF NEUTRAL TYPE**



KREANGKRI RATCHGIT

MASTER OF SCIENCE

IN APPLIED MATHEMATICS

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright © by Chiang Mai University

All rights reserved

GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

APRIL 2005

ISBN 974-9884-76-0

**ASYMPTOTIC STABILITY OF NONLINEAR
DIFFERENTIAL EQUATIONS
OF NEUTRAL TYPE**

KREANGKRI RATCHGIT

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
MASTER OF SCIENCE**

IN APPLIED MATHEMATICS

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright © by Chiang Mai University

All rights reserved

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

APRIL 2005


ISBN 974-9884-76-0

ASYMPTOTIC STABILITY OF NONLINEAR
DIFFERENTIAL EQUATIONS
OF NEUTRAL TYPE


KREANGKRI RATCHGIT

THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF SCIENCE
IN APPLIED MATHEMATICS

EXAMINING COMMITTEE


..... CHAIRPERSON
Lecturer. Dr. Piyapong Niamsup


..... MEMBER
Assoc. Prof. Dr. Vites Longani


..... MEMBER
Prof. Dr. Vu Ngoc Phat

29 April 2005

© Copyright by Chiang Mai University

ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to my supervisor, lecturer Dr. Piyapong Niamsup, for his initial idea, guidance and encouragement which enable me to carry out my study successfully.

This work contains a number of improvement based on comments and suggestions provided by Assoc. Prof. Dr. Vites Longani, Prof. Dr. Vu Ngoc Phat. It is my pleasure to express my sincere thanks to them for their generous assistance.

I wish to thank all of my friends for their useful help and warm friendship.

Thanks are also to my friend, Mr.Thongchai Botmart, who constantly typed and furnished my papers and the entire manuscript.

Moreover, I gratefully appreciate my beloved parents, and brother for their love and encouragement.

Kreangkri Ratchgit

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright © by Chiang Mai University
All rights reserved