



สำนักกอสมด

FIXED POINT ITERATIONS FOR NONEXPANSIVE AND ASYMPTOTICALLY NONEXPANSIVE MAPPINGS IN A BANACH SPACE

สำนักหอสมค มหาวิทยาลัยนเรศวร วันลงทะเบียน 5 ก.ย. 2551 เลขทะเบียน 1488 4337 เลขเรียกหนังสือ QA หาว66

KAMONRAT NAMMANEE

2007

A Thesis Submitted to the Graduate School of Naresuan University
in Partial Fulfillment of the Requirements
for the Doctor of Philosophy Degree in Mathematics
November 2007
Copyright 2007 by Naresuan University

This thesis entitled "Fixed point iterations for nonexpansive and asymptotically nonexpansive mappings in a Banach space" submitted by Kamonrat Nammanee in partial fulfillment of the requirements for the Doctor of Philosophy Degree in Mathematics is hereby approved.

Suther Suantay Chair
(Professor Suthep Suantai, Ph.D.)
Somyet Rubberg Committee
(Associate Professor Somyot Plubtieng, Ph.D.)
Many Simpitulat Committee
(Assistant Professor Manoj Siripitukdet, Ph.D.)
2. Phomponysa Committee
(Professor Sompong Dhompongsa, Ph.D.)
Unisana Meammanee. Committee
(Professor Kritsana Neammanee, Ph.D.)
Narin Petrot, Ph.D.)

Approve & Perpertuileal

(Assistant Professor Kanungnit Pupatwibul, Ph.D.)

Dean of the Graduate School

29 November 2007

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to my advisor, Professor Dr. Suthep Suantai, 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 suggestion provided by Professor Dr. Sompong Dhompongsa, Professor Dr. Kritsana Neammanee, Associate Professor Dr. Somyot Plubtieng, Assistant Professor Dr. Manoj Siripitukdet, Assistant Professor Dr. Hansuk Tansee, Dr. Narin Petrot, Dr. Rabian Wangkeeree, Miss Rattanaporn Panpaeng, Dr. Poom Kumam, Dr. Attapol Kaewkhao, Dr. Kamsing Nonlaopon, Dr. Issara Inchan, Mr. Saad youyen, Mr. Atid Kangtunyakarn and Mr. Kasamsuk Ungchittrakool. It is my pleasure to express my thanks to all of them for their generous assistance.

13

Thank for all other lectures and tutors for their previous valuable instructions while studying.

I gratefully appreciate my beloved parents, my brothers, and my sisters for their love and encouragement. Finally, I would like to express my special thanks to my wife Mrs. Chontisa Nammanee for her assistance, suggestion and encouragement.

Kamonrat Nammanee