

**SUPER VERTEX-MAGIC GRAPH**



**ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่**

**Copyright© by Chiang Mai University  
All rights reserved**

**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**OCTOBER 2007**

**SUPER VERTEX-MAGIC GRAPH**

**UTHAI KAMRAKSA**

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

**ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่**  
Copyright© by Chiang Mai University  
All rights reserved

**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**OCTOBER 2007**

# SUPER VERTEX-MAGIC GRAPH

UTHAI KAMRAKSA

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

## EXAMINING COMMITTEE

*W. Hemakul* ..... CHAIRPERSON

Assoc. Prof. Dr. Wanida Hemakul

*Nittaya Na Chaingmai* ..... MEMBER

Assoc. Prof. Nittaya Na Chaingmai

*Srichan Arworn* ..... MEMBER

Asst. Prof. Dr. Srichan Arworn

5 October 2007

© Copyright by Chiang Mai University

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright© by Chiang Mai University  
All rights reserved

## ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to my advisor, Asst. Prof. Dr. Srichan Arworn, for her instruction and encouragement on my investigation.

My special appreciation is expressed to Assoc. Prof. Dr. Wanida Hemakul, Assoc. Prof. Nittaya Na Chaingmai for many valuable comments and helpful suggestions.

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

Finally, I would like to express my special thanks to my friends for their suggestions and encouragement.

Uthai Kamraksa

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright© by Chiang Mai University  
All rights reserved