

**PHOTOMETRIC ANALYSIS OF VARIABLE
STARS IN INTERMEDIATE-AGE
OPEN CLUSTERS**

The seal of Chiang Mai University is a circular emblem. It features a central figure of an elephant standing and facing left. Above the elephant's head is a five-pointed star with a flame-like center. The entire emblem is encircled by a border containing the university's name in Thai script at the top and 'CHIANG MAI UNIVERSITY 1964' in English at the bottom.

NAREEMAS CHEHLAEH

**DOCTOR OF PHILOSOPHY
IN PHYSICS**

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
JANUARY 2018**

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The seal of Chiang Mai University is a circular emblem. It features a central figure of an elephant standing and facing left. Above the elephant is a stylized sunburst or flame-like symbol. The entire emblem is enclosed within a circular border. The Thai text "มหาวิทยาลัย เชียงใหม่" is written along the top arc, and "1964" is at the bottom. The English text "CHIANG MAI UNIVERSITY" is written along the bottom arc.

NAREEMAS CHEHLAEH

**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN PHYSICS**

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GRADUATE SCHOOL, CHIANG MAI UNIVERSITY

JANUARY 2018

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NAREEMAS CHEHLAEH

THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN PHYSICS

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(Dr. David Mkrtchian)

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(Asst. Prof. Dr. Siramas Komonjinda)

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(Asst. Prof. Dr. Suwicha Wannawichian)

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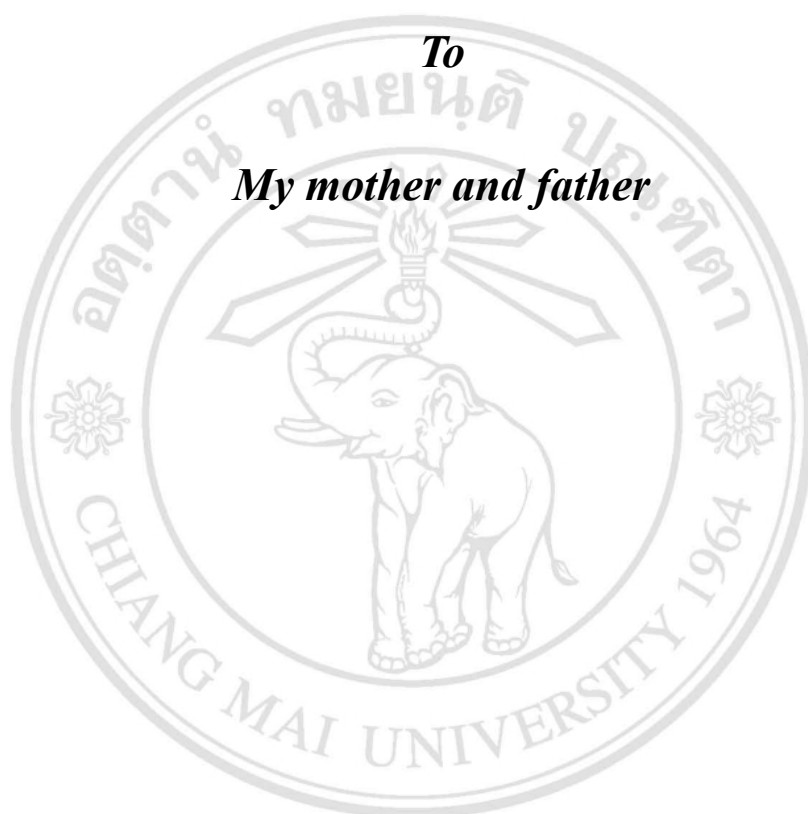
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10 January 2018

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To

My mother and father

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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Nareemas Chehlaeh

The seal of Chiang Mai University is a circular emblem. In the center is a stylized elephant facing left, with a flame-like symbol above its head. The elephant is surrounded by a circular border containing the text 'CHIANG MAI UNIVERSITY 1964'. Above the elephant, there is a larger circular border with Thai script. Below the seal, the text 'ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่' (Copyright of Chiang Mai University) is written in Thai script, followed by 'Copyright© by Chiang Mai University' and 'All rights reserved' in English.

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