

**COMMON FIXED POINT THEOREMS FOR SOME
GENERALIZED NONEXPANSIVE MAPPINGS
AND NONSPREADING MAPPINGS
IN $CAT(0)$ SPACES**

TANAPHONG PROMMAI

**MASTER OF SCIENCE
IN MATHEMATICS**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
APRIL 2012**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
MASTER OF SCIENCE
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THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
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Tanaphong Prommai