



This is to certify that the

thesis entitled

BIFURCATION THEORY WITH
APPLICATIONS TO CHEMICAL REACTION EQUATIONS

presented by

Ms. Nancy Theresa Waller

has been accepted towards fulfillment
of the requirements for

Ph.D. degree in Mathematics

A handwritten signature in black ink, appearing to read "S. N. Chow". The signature is written in a cursive, flowing style.

Major professor

Date July 29, 1976

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the parameters near the bifurcation point. We then apply these techniques to a system of partial differential equations which arises in the study of chemical reactions.

