DESIGN AND ANALYSIS OF SPACE-TIME AND GALERKIN/LEAST-SQUARES FINITE ELEMENT METHODS FOR FLUID-STRUCTURE INTERACTION IN EXTERIOR DOMAINS

A DISSERTATION
SUBMITTED TO THE DEPARTMENT OF CIVIL ENGINEERING
AND THE COMMITTEE ON GRADUATE STUDIES
OF STANFORD UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY

By
Lonny L. Thompson
April 1994

I certify that I have read this dissertation and that in my opinion it is fully adequate, in scope and in quality, as a dissertation for the degree of Doctor of Philosophy.

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I certify that I have read this dissertation and that in my opinion it is fully adequate, in scope and in quality, as a dissertation for the degree of Doctor of Philosophy.

Joseph B. Keller
Professor of Mathematics and Mechanical Engineering

Approved for the University Committee on Graduate Studies:

To the memory of my loving mother,
Jeannette, Stanford University, Class of 1959.