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The finite element method obtained its real impetus in the 1960s and 1970s by the developments of J. H. Argyris with co-workers at the University of Stuttgart, R. W. Clough with co-workers at UC Berkeley, O. C. Zienkiewicz with co-workers

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Ernest Hinton, Bruce Irons and
others at Swansea University,
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Preface I began studying exterior penalty methods as a basis for finite element methods around three years ago with the able help of my colleague and former student, Professor Noboru Kikuchi,

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now at the University of Michigan.

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ME 538: finite element method -
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baptized the method in 1960 [136]
and went on to form at Berkeley
the first research group to propel
the idea into Civil Engineering
applications. Olek Zienkiewicz,
originally an expert in finite

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difference methods who learned the trade from Southwell, was convinced in 1964 by Clough to try FEM.

The Origins of the Finite Element
Method

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Brief History - The term finite element was first coined by Clough in 1960. In the early 1960s, engineers used the method for approximate solutions of problems in stress analysis, fluid flow, heat transfer, and other areas. - The first book on the FEM by

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Zienkiewicz and Chung was
published in 1967.

Finite Element Method -
Massachusetts Institute of
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Part I: Finite Element

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of Cambridge functions for basic one- and two-dimensional elements, numerical evaluation of integrals, and computer implementation ideas.

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University of Missouri, Course
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amount \$9,731. Missouri Research Board Grant, “ Coupling dual porosity flow with free flow: modeling, numerical method, and data assimilation ” , Xiaoming He (PI), January 2017 - January 2018, total amount: \$11,200.

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Xiaoming He - Missouri University
of Science and Technology

Junuthula N. Reddy (born 12
August 1945) is a Distinguished
Professor, Regents' Professor and
inaugural holder of the Oscar S.
Wyatt Endowed Chair in

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Mechanical Engineering at Texas A&M University, College Station, Texas, USA. He is one of the researchers responsible for the development of the Finite Element Method (FEM).

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