



ME402 Finite Element Analysis – INTRODUCTION

- Historical Background

Present

- Status of FEM as on Today

Theoretical	Software	Practical Applications
<p>Till 1994: In India FEM was offered as post graduate course only at few universities</p> <p>1995 and onwards: Introduced at graduate level.</p> <p>Theory courses mainly deals with</p> <ol style="list-style-type: none">1. Various methods to derive [K]2. Assembly of [K]3. Solution Techniques	<p>Three steps for using any FEA software</p> <ol style="list-style-type: none">1. Preprocessing<ul style="list-style-type: none">- Solid modeling- Meshing- Boundary conditions2. Processing or Solution3. Postprocessing<ul style="list-style-type: none">- Result interpretation	<p>CAE groups get following types of job orders</p> <ol style="list-style-type: none">1. New Design2. Cost cutting / Optimization3. Failure Analysis

Programming languages used for most commercial softwares are Fortran and C++.

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Chao Zhang



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Enjoying the Song of Term: An Emotional Symphony within **No Slide Title**

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web the direct drive desulfators charge a capacitor bank to a known voltage and dump that energy into the battery as current with a large capacitor bank the dump can be very high energy this allows for battery recovery to be much faster compared to flyback designs the overall design of this circuit is fairly basic on the conceptual level

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