

Name : Mr.Noppakun Dejitasin
Thesis Title : Application of Finite Difference Method to
Shell Problems
Concentration : Mechanical Engineering
Thesis Advisors : Dr.Virat Chomkwah, Col.Dr.Prasart Sukkaset
Academic year : 1992

Abstract

A Solution for shells analysis is difficult to be determined mathematically. The easier ways of finding solutions are using numerical methods such as finite difference and finite element method.

This thesis proposes to analyse shells of revolution by using finite difference method. The comparison shows the solution by finite difference method agrees well with those of exact solution and the computation time is not much. Therefore finite difference method is likely to be an alternative for analyzing shell problems.