

# Fundamentals and Applications of Energy Collocation Method

Qin Rong

(Guangxi University)

## Abstract

Energy Collocation Method (ECM) was advanced by the author of this Paper in 1979—1980. This paper attempts to give a brief introduction to its fundamentals and applications. The method based on the variation principle and the quadrature formula of the numerical integration method. According to the Variation Principle and the quadrature formula (e.g., Simpson, Gaussian), a computational scheme of Energy Collocation Method has been developed by the author of this paper. The main features of this method are higher accuracy and more economy in computer storage and time requirements. The method can easily be carried out on a computer.

## 新 信 息

### 瑞典生产折叠式活动房屋

瑞典某公司开始生产由铝护墙板做的带隔热塑料衬里的折叠式小房子。要支起房子时, 只需先用小型气泵把空气打入房子的气动起重装置内。房子的重量为 950 公斤。

(肖 一)