

# 《过程模型与技术经济分析》

## 图书基本信息

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## 内容概要

It takes into account the availability of desktop computer to the reader. Analysis in MS Excel spreadsheet are shown as worked examples. Models with little or no adjustable parameters are developed from first principles. Thermodynamic and exergy analysis are used to evaluate a process. 5 methods of analysis of a capital project, i.e., AW, annualized worth, PW, present worth, IRR, Internal Rate of Return, FW, future worth and ERR external rate of return are presented. Case Studies are used. Simulation and series solutions to model equations are sought when applicable. Correlations are developed from computer simulations of desired phenomena.

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