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Numerical Recipes

for Solving Engineering Problems
using **MATLAB**
Mehdi Mosafer

مدل کردن ریاضی هر پدیده‌ی فیزیکی با ساده‌سازیهای همراه است. پس از مدل‌سازی، معادله‌های حاکم بر آن پدیده را، که معمولاً غیرخطی هستند، می‌توان به دست آورد و از بیرون کشیدن ویژگی‌های رفتاری این معادله‌ها، پدیده را شناخت. این کتاب برای فراگیری چگونگی حل چنین مسائلی به کمک روشهای عددی نوشته شده است.

اولین بخش کتاب مانند یک تندآموز، چکیده‌ای از دستورهای سودمند MATLAB است. در بخشهای دیگر کتاب، روشهای عددی حل مسائل زیر بررسی شده است.

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بنابراین با فراگیری این کتاب، شبیه‌سازی کامپیوتری دستگاهها و بهینه‌سازی آنها آسان خواهد شد.

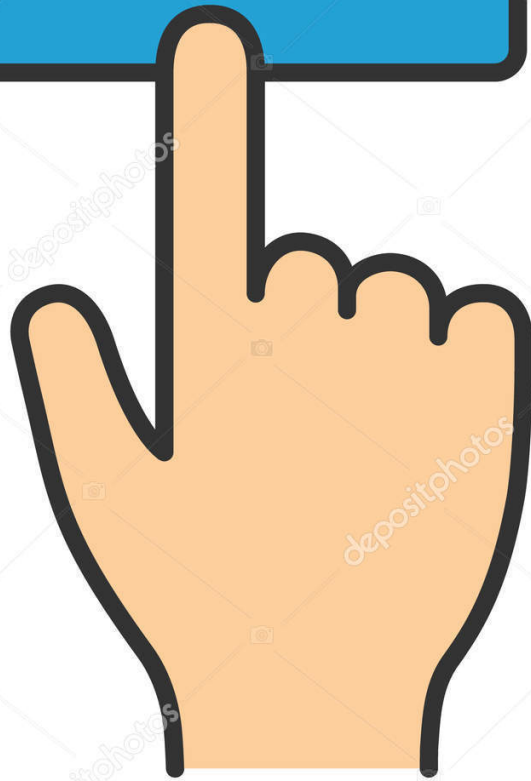
- Engineering Examples
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برنامه‌های این کتاب را از پایگاه ما در شبکه‌ی جهانی بردارید:
www.geocities.com/mmmnrecipes/Numerical_Recipes.html



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