
In the 2nd Edition, based on reviewers feedback, we have done the following:
• Improved clarity throughout
• Detailed explanations of all concepts with figures
• Increased number of solved examples
• Increased number of end-of-chapter problems
• Explanations on how to use Matlab and Excel with detailed solved examples
• Software on multiple platforms (Matlab, Fortran, Excel VBA, VBScript)
• Expanded chapter on Multiobjective Optimization (Chp 8)
• Expanded Chapter 1 containing modeling examples to introduce students to different types of optimization problems
• Improved optimality criteria implementation and code and improved topology optimization code (Chp 12)
• Solved examples to illustrate handling of problems where the number of variables depend on a mesh discretization (in Chp 3), handling of time-dependent constraints (in Chp 5), and post-optimal sensitivity analysis in nonlinear problems (in Chp 5)
• Revised Solutions Manual which includes detailed computer implementations

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