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Chapter 1 - Introduction to Design Optimization Pages 3-18. Abstract A general process of designing new systems or improving existing systems is explained in this chapter. Distinction is made between engineering analysis and engineering design activities. The idea of designing optimum systems is introduced.

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# Introduction to Optimum Design - 3rd Edition - Elsevier

The works by Jameson on Optimal Design in aeronautics and the mathematical counterpart that can be found in the books by Piron-neau and Glowinski, for instance, is a good example of this. The same can be said about the application of the "level-set" method by Osher-Shetian in the context of optimal design in elasticity as applied by Allaire.

#### INTRODUCTION TO OPTIMAL DESIGN: PROBLEMS, THEORY AND NUMERICS

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