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Nota di contenuto	Part I. Introduction, history, and theoretical fundamentals of geometric programming -- 1. Introduction -- 1.1 Optimization and geometric programming -- 1.1.1 Optimization -- 1.1.2 Geometric programming -- 1.2 Evaluative questions -- 1.3 References -- 2.Brief history of geometric programming -- 2.1 Pioneers of geometric programming -- 2.2 Evaluative questions -- 2.3 References -- 3. Theoretical fundamentals -- 3.1 Primal and dual formulations -- 3.2 Evaluative questions -- 3.3 References -- Part II. Geometric programming cost minimization applications with zero degrees of difficulty -- 4. The optimal box design case study -- 4.1 Introduction -- 4.2 The optimal box design problem -- 4.3 Evaluative questions -- 5. Trash can case study -- 5.1 Introduction -- 5.2 The optimal trash can design problem -- 5.3 Evaluative questions -- 5.4 References -- 6. The building area design case study -- 6.1 Introduction -- 6.2 The building area design problem -- 6.3 Problem solution -- 6.4 Modified building area design problem -- 6.5 Fixed room height area design problem -- 6.6 Evaluative questions -- 6.7 References -- 7. The open cargo shipping box case study -- 7.1 Problem statement and general solution -- 7.2 Evaluative questions -- 7.3 References -- 8. Metal casting cylindrical side riser case study -- 8.1 Introduction -- 8.2 Problem formulation and general solution -- 8.3 Cylindrical side riser example -- 8.4 Evaluative questions -- 8.5 References -- 9. Inventory model case study -- 9.1 Problem statement

and general solution -- 9.2 Inventory example problem -- 9.3 Evaluative questions -- 9.4 References -- 10. Process furnace design case study -- 10.1 Problem statement and solution -- 10.2 Conclusions -- 10.3 Evaluative questions -- 10.4 References -- 11. The gas transmission pipeline case study -- 11.1 Problem statement and solution -- 11.2 Evaluative questions -- 11.3 References -- 12. Material removal/metal cutting economics case study -- 12.1 Introduction -- 12.2 Problem formulation -- 12.3 Evaluative questions -- 12.4 References -- 13. Construction building sector cost minimization case study -- 13.1 Introduction -- 13.2 Model development -- 13.3 Model results and validation -- 13.4 Conclusions -- 13.5 Evaluative questions -- 13.6 References --
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Part V. Summary, future directions, theses and dissertations on geometric programming -- 24. Summary and future directions -- 24.1 Summary -- 24.2 Future directions -- 24.3 Development of new design relationships -- 25. Theses and dissertations on geometric programming -- 25.1 Introduction -- 25.2 Lists of M.S. theses and Ph. D. dissertations -- Author's biography -- Index.

Sommario/riassunto

Geometric Programming is used for cost minimization, profit maximization, obtaining cost ratios, and the development of

	generalized design equations for the primal variables. The early pioneers of geometric programming--Zener, Duffin, Peterson, Beightler, Wilde, and Phillips-- played important roles in its development. Five new case studies have been added to the third edition. There are five major sections: (1) Introduction, History and Theoretical Fundamentals; (2) Cost Minimization Applications with Zero Degrees of Difficulty; (3) Profit Maximization Applications with Zero Degrees of Difficulty; (4) Applications with Positive Degrees of Difficulty; and (5) Summary, Future Directions, and Geometric Programming Theses & Dissertations Titles. The various solution techniques presented are the constrained derivative approach, condensation of terms approach, dimensional analysis approach, and transformed dual approach. A primary goal of this work is to have readers develop more case studies and new solution techniques to further the application of geometric programming.

2.

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Autore	Southerne Thomas <1660-1746.>
Titolo	Sir Antony Love: or, The rambling lady [[electronic resource]] : A comedy. As it was acted at the Theatre-Royal by Their Majesties servants. Written by Tho. Southerne
Pubbl/distr/stampa	London, : printed by H. Gellibrand, for Arthur Bettesworth, at the Red-Lion on London-Bridge, M DC XCVIII. [1698]
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