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Nota di contenuto	Contents; Preface; About the Editors; Contributors; Acknowledgments; Section I: Normal Vocal Folds; Chapter 1. Normal Anatomy of the Vocal Folds; Chapter 2. Macula Flava; Section II: Techniques in Imaging and Evaluation of the Vocal Folds; Chapter 3. Alveolar Ridge Mucosa Protection During Suspension Laryngoscopy in the Edentulous Patient; Chapter 4. Vocal Fold Atrophy and Reinke's Edema: Determining True Vocal Fold Edge; Chapter 5. Papilloma: A Diagnostic Near Miss; Chapter 6. Overcoming the Epiglottis When Laryngeal Examination Is Critical Chapter 7. The Value of Varying Vocal Frequency During Stroboscopy for Vocal Fold MassesChapter 8. Medial Margin Evaluation in Large, Overlapping Vocal Fold Lesions; Chapter 9. Value of the 70° Teletaryngoscope in Microlaryngoscopy for Benign Pathology; Chapter 10. Vocal Fold Polyps: Assessing the Vertical Dimension; Section III: Congenital; Chapter 11. Bifid Epiglottis; Chapter 12. Third Branchial Anomaly: Endoscopic Management Revisited; Chapter 13. Sulcus Vocalis; Section IV: Idiopathic; Chapter 14. Idiopathic Tracheal Stenosis; Chapter 15. Laryngeal Melanosis; Chapter 16. Saccular Cyst Chapter 17. Bilateral Saccular CystsChapter 18. Bilateral Saccular Cysts; Chapter 19. Ventricular Cyst of the Larynx; Section V: Inflammatory; Chapter 20. A Case of Reflux Laryngitis Controlled with Proton-Pump Blockade Alone; Chapter 21. Inferior Glottic Ridges That Prevent Vocal Fold Closure; Chapter 22. Grading Laryngopharyngeal Reflux by

Erythema; Chapter 23. Conservative Treatment of an Obstructing Vocal Fold Granuloma; Chapter 24. Recalcitrant Arytenoid Granuloma; Chapter 25. Vocal Process Granuloma; Chapter 26. Pedunculated Granuloma of the Vocal Folds
Chapter 27. Multiple Recurrent Laryngeal GranulomaChapter 28. Nonoperative Treatment of Laryngeal Granuloma; Chapter 29. Vocal Fold Granuloma: The "Ball-Valve" Phenomenon; Chapter 30. Granuloma of the Aryepiglottic Fold; Chapter 31. Bilateral Granuloma and Varicosity in the Midportion of the Vocal Folds; Chapter 32. Laryngeal Amyloidosis: A Case of "Adidas-Stripes" Larynx; Chapter 33. Severe Chronic Laryngitis Mimicking a Granulomatous Disease; Chapter 34. Amyloidosis of the Larynx; Chapter 35. Laryngeal and Subglottic Amyloid; Chapter 36. Laryngeal Sarcoidosis and Candidiasis
Chapter 37. Vocal Fold Consequences of SclerodermaChapter 38. Rheumatoid Nodules and Reflux Disease; Chapter 39. Multiple Rheumatoid Nodules of the Vocal Folds; Section VI: Infectious; Chapter 40. Acute Laryngitis in a Professional Singer; Chapter 41. Viral Supraglottitis in an Adult; Chapter 42. Acute Ulcerative Laryngitis; Chapter 43. Epiglottic Abscess; Chapter 44. Acute Tracheitis; Chapter 45. Fungal Laryngitis; Chapter 46. Laryngeal Candidiasis; Chapter 47. Prolonged Ulcerative Laryngitis; Chapter 48. Ulcerative Fungal Laryngitis; Chapter 49. Candida Epiglottitis
Chpater 50. Laryngeal Aspergillosis

Sommario/riassunto

This stunning atlas contains 146 chapters of applicable case studies and color, high-resolution photographs. As the skill of diagnosis remains critical for residents, fellows, practitioners, and academics, this third edition adds new diagnostic information. It also includes new clinical observations. Covering everything from normal vocal fold anatomy to vocal fold cancer to rare traumatic injuries, there is no other book like this in the field. It is a must-have for residents and professors alike.

2. Record Nr.	UNINA9910829973703321
Autore	Box George E. P
Titolo	Response surfaces, mixtures, and ridge analyses [[electronic resource]] / George E.P. Box, Norman R. Draper
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Nota di contenuto	Response Surfaces, Mixtures, and Ridge Analyses; Contents; Preface to the Second Edition; 1. Introduction to Response Surface Methodology; 1.1. Response Surface Methodology (RSM); 1.2. Indeterminacy of Experimentation; 1.3. Iterative Nature of the Experimental Learning Process; 1.4. Some Classes of Problems (Which, How, Why); 1.5. Need for Experimental Design; 1.6. Geometric Representation of Response Relationships; 1.7. Three Kinds of Applications; 2. The Use Of Graduating Functions; 2.1. Approximating Response Functions; 2.2. An Example; Appendix 2A. A Theoretical Response Function 3. Least Squares for Response Surface Work 3.1. The Method of Least Squares; 3.2. Linear Models; 3.3. Matrix Formulas for Least Squares; 3.4. Geometry of Least Squares; 3.5. Analysis of Variance for One Regressor; 3.6. Least Squares for Two Regressors; 3.7. Geometry of the Analysis of Variance for Two Regressors; 3.8. Orthogonalizing the Second Regressor, Extra Sum of Squares Principle; 3.9. Generalization to p Regressors; 3.10. Bias in Least-Squares Estimators Arising from an Inadequate Model; 3.11. Pure Error and Lack of Fit; 3.12. Confidence

Intervals and Confidence Regions

3.13. Robust Estimation, Maximum Likelihood, and Least SquaresAppendix 3A. Iteratively Reweighted Least Squares; Appendix 3B. Justification of Least Squares by the Gauss-Markov Theorem; Robustness; Appendix 3C. Matrix Theory; Appendix 3D. Nonlinear Estimation; Appendix 3E. Results Involving $V(y)$; Exercises; 4. Factorial Designs at Two Levels; 4.1. The Value of Factorial Designs; 4.2. Two-Level Factorials; 4.3. A 2(6) Design Used in a Study of Dyestuffs Manufacture; 4.4. Diagnostic Checking of the Fitted Models, 2(6) Dyestuffs Example; 4.5. Response Surface Analysis of the 2(6) Design Data
Appendix 4A. Yates' Method for Obtaining the Factorial Effects for a Two-Level DesignAppendix 4B. Normal Plots on Probability Paper; Appendix 4C. Confidence Regions for Contour Planes (see Section 4.5); Exercises; 5. Blocking and Fractionating 2(k) Factorial Designs; 5.1. Blocking the 2(6) Design; 5.2. Fractionating the 2(6) Design; 5.3. Resolution of a 2(k-p) Factorial Design; 5.4. Construction of 2(k-p) Designs of Resolution III and IV; 5.5. Combination of Designs from the Same Family; 5.6. Screening, Using 2(k-p) Designs (Involving Projections to Lower Dimensions)
5.7. Complete Factorials Within Fractional Factorial Designs5.8. Plackett and Burman Designs for $n = 12$ to 60 (but not 52); 5.9. Screening, Using Plackett and Burman Designs (Involving Projections to Lower Dimensions); 5.10. Efficient Estimation of Main Effects and Two-Factor Interactions Using Relatively Small Two-Level Designs; 5.11. Designs of Resolution V and of Higher Resolution; 5.12. Application of Fractional Factorial Designs to Response Surface Methodology; 5.13. Plotting Effects from Fractional Factorials on Probability Paper; Exercises
6. The Use of Steepest Ascent to Achieve Process Improvement

Sommario/riassunto

The authority on building empirical models and the fitting of such surfaces to data-completely updated and revised Revising and updating a volume that represents the essential source on building empirical models, George Box and Norman Draper-renowned authorities in this field-continue to set the standard with the Second Edition of Response Surfaces, Mixtures, and Ridge Analyses, providing timely new techniques, new exercises, and expanded material. A comprehensive introduction to building empirical models, this book presents the general philosophy and computational details of a number of
