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Titolo	Least squares data fitting with applications // Per Christian Hansen, Victor Pereyra, Godela Scherer
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Altri autori (Persone)	PereyraV (Victor) SchererGodela
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Soggetti	Least squares Curve fitting
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The linear data fitting problem -- The linear least squares problem -- Analysis of least squares problems -- Direct methods for full-rank problems -- Direct methods for rank-deficient problems -- Methods for large-scale problems -- Additional topics in least-squares -- Nonlinear least squares problems -- Algorithms for solving nonlinear LSQ problems -- Ill-conditioned problems -- Linear least squares applications -- Nonlinear least squares applications -- Appendix A: A sensitivity analysis -- Appendix B: Linear algebra background -- Appendix C: Advanced calculus -- Appendix D: Statistics.
Sommario/riassunto	Included are; an overview of computational methods together with their properties and advantages; topics from statistical regression analysis that help readers to understand and evaluate the computed solutions; many examples that illustrate the techniques and algorithmsLeast Squares Data Fitting with Applications can be used as a textbook for advanced undergraduate or graduate courses and professionals in the sciences and in engineering.