

List of Publications

I. Books

- H. Bandemer et al.: Theorie und Anwendung der Optimalen Versuchsplanung, Vol. I, Akademie-Verlag, Berlin 1977
- J. Pilz: Bayesian Estimation and Experimental Design in Linear Regression Models. Teubner-Texte zur Mathematik, Vol. 55, BSB B.G. Teubner-Verlagsgesellschaft, Leipzig 1983
- J. Pilz: Bayesian Estimation and Experimental Design in Linear Regression Models. Largely revised and extended license edition of the aforementioned book, John Wiley & Sons, Chichester, New York 1991
- J. Pilz, Ed.: Interfacing Geostatistics and GIS. Springer-Verlag, Berlin-Heidelberg 2009
- D. Rasch, J. Pilz, R.L. Verdooren, A. Gebhardt: Optimal Design of Experiments with R. Chapman and Hall/ CRC Press, Boca Raton 2011
- Bo Zhao and J. Pilz: Extraction of the Ore-Caused Anomaly and Study of the Metallogenic Efficiency in (Heavily-Covered) Western Zhejiang province of China. Golden Light Academic Publishing, Beijing, 2017, ISBN: 978-620-2-41068-7

II. Articles

- H. Bandemer, J. Pilz: Optimum experimental design for a Bayes estimator in linear regression. Transact. Eighth Prague Conf. on Inf. Theory, Statist. Decis. Functions and Random Processes, Vol. A, Academia Praha 1978, 93 - 102
- J. Pilz: Bayessche Schätzung und Versuchsplanung im linearen Regressionsmodell. Dissertation A, Bergakademie Freiberg, 1978
- J. Pilz: Entscheidungstheoretische Darstellung des Problems der Bayesschen Schätzung und Versuchsplanung im linearen Regressionsmodell. Freiburger Forschungshefte D 117, VEB Deutscher Verlag für Grundstoffindustrie, Leipzig 1979, 7 - 20
- J. Pilz: Das Bayessche Schätzproblem im linearen Regressionsmodell. Freiburger Forschungshefte D 117, VEB Deutscher Verlag für Grundstoffindustrie, Leipzig 1979, 21 - 55
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- W. Näther, J. Pilz: Estimation and experimental design in a linear regression model using prior information. Zastosowania Matematyki 16 (1980), 565 - 577

- J. Pilz: Ausnutzung von a-priori-Kenntnissen zur Schätzung und Versuchsplanung im linearen Regressionsmodell. Lehrmaterial "Mathematische Statistik in der Technik" (H. Bandemer, Ed.), Wiss. Informationszentrum Freiberg 1980, 113 - 120
- J. Pilz: Bayessche Schätzung und Versuchsplanung für die multiple lineare Regression. IX. Int. Kongreß über Anwendungen der Mathematik in den Ingenieurwissenschaften, Heft 4, Weimar 1981, 54 - 57
- J. Pilz: Robust Bayes and minimax-Bayes estimation and design in linear regression. Math. Operationsforsch. Stat., Ser. Statistics 12 (1981), 163 - 177
- J. Gladitz, J. Pilz: Construction of optimal designs in random coefficient regression models Math. Operationsforsch. Stat., Ser. Statistics 13 (1982), 371 - 385
- J. Gladitz, J. Pilz: Bayes designs for multiple linear regression on the unit sphere. Math. Operationsforsch. Stat., Ser. Statistics 13 (1982), 491 - 506
- J. Pilz: Schätzung und Versuchsplanung für beste Regressionsgeraden bei vorgegebenen Schranken. Tagungsmaterialien der 7. Fachtagung Qualitätsanalyse, Frankfurt/Oder 1983
- J. Pilz: Robust Bayes regression estimation under weak prior knowledge. In: Robustness of Statistical Methods and Nonparametric Statistics (Eds.: D. Rasch and M.L. Tiku), VEB Deutscher Verlag der Wissenschaften, Berlin 1984, 85 - 89
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- J. Pilz: Minimax straight line regression estimation using prior bounds for the parameters. Freiburger Forschungshefte D 170, VEB Deutscher Verlag für Grundstoffindustrie, Leipzig 1985, 33 - 48
- H. Bandemer, W. Näther, J. Pilz: Once more: Optimal experimental designs for regression models. Statistics 18 (1987), 171 - 217
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