



Dale L. Zimmerman

# Linear Model Theory

## Exercises and Solutions

- Presents a unique collection of 296 exercises and complete solutions on linear model theory
- Covers a wide variety of topics, including best linear unbiased estimation and prediction
- Will benefit students and instructors alike

This book contains 296 exercises and solutions covering a wide variety of topics in linear model theory, including generalized inverses, estimability, best linear unbiased estimation and prediction, ANOVA, confidence intervals, simultaneous confidence intervals, hypothesis testing, and variance component estimation. The models covered include the Gauss-Markov and Aitken models, mixed and random effects models, and the general mixed linear model. Given its content, the book will be useful for students and instructors alike. Readers can also consult the companion textbook *Linear Model Theory - With Examples and Exercises* by the same author for the theory behind the exercises.

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