



Coasters 101: An Engineer's Guide to Roller Coaster Design

Nick Weisenberger

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Have you ever wondered what it takes to design and build a roller coaster? At last, there's a book that shows you. A mix of engineering and art, roller coasters are complex three-dimensional puzzles consisting of thousands of individual parts. Designers spend countless hours creating and tweaking ride paths to push the envelope of exhilaration, all while maintaining the highest safety standards. *Coasters 101: An Engineering Guide to Roller Coaster Design* examines the numerous diverse aspects of roller coaster engineering, including some of the mathematical formulas and engineering concepts used. A few of the topics covered include: • Design Software and Computer Technology • Project Management • Wheel Design and Material Selection • Track Fabrication Techniques • Daily Inspections and Preventive Maintenance • Amusement Industry Safety Standards • Career Advice • And much more! This technical guide is the most detailed roller coaster design book to date and will take you through the entire process, from concept to creation. A must read for every enthusiast and aspiring roller coaster engineer!

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