



Fundamentals of Rail Vehicle Dynamics (Advances in Engineering Series)

By A.H. Wickens

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Fundamentals of Rail Vehicle Dynamics lays a foundation for the design of rail vehicles based on the mechanics of wheel-rail interaction as described by the equations of motion. The author advances simple models to elucidate particular challenges and demonstrate innovative systems while using analytical studies to examine novel design concepts. Rather than focusing on a "typical" set of parameters, the book discusses the issues associated with the complete range of parameters available, concentrating on the configuration and parametric design of the bogie in relation to steering, dynamic response, and stability. This is an excellent reference for designers and researchers involved vehicle development.

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About the Author

Loughborough University, Leicestershire, UK

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