Hans True - DTU Orbit (19/02/2018)

Hans True

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Publications:

A codimension two bifurcation in a railway bogie system
Publication: Research - peer-review › Journal article – Annual report year: 2017

Dynamics of a railway vehicle on a laterally disturbed track
Publication: Research - peer-review › Journal article – Annual report year: 2017

Warum ist es so schwierig, die lateralen Gleisstörungen durch Messungen der Fahrzeugdynamik zu bestimmen
Publication: Research - peer-review › Conference article – Annual report year: 2017

Why is it so difficult to determine the lateral Position of the Rails by a Measurement of the Motion of an Axle on a moving Vehicle?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Lateral dynamic features of a railway vehicle
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis of the nonlinear dynamics of a 2-axle freight wagon in curves
Publication: Research - peer-review › Journal article – Annual report year: 2014

On the numerical and computational aspects of non-smoothnesses that occur in railway vehicle dynamics
Publication: Research - peer-review › Journal article – Annual report year: 2012

Sensitivity Analysis of the Critical Speed in Railway Vehicle Dynamics
Publication: Research - peer-review › Conference article – Annual report year: 2014

Inaugural editorial for the international journal of rail transportation
Publication: Research - peer-review › Editorial – Annual report year: 2013

Anwendung der "Uncertainty Quantification" bei eisenbahndynamischen problemen
Publication: Research - peer-review › Journal article – Annual report year: 2013

A Review on the Linear and Nonlinear Critical Speeds
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Multiple attractors and critical parameters and how to find them numerically: the right, the wrong and the gambling way
Publication: Research - peer-review › Journal article – Annual report year: 2013
Nonlinear Vehicle Dynamics
Publication: Research - peer-review › Book chapter – Annual report year: 2013

Sensitivity Analysis of the Critical Speed in Railway Vehicle Dynamics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Symmetric/asymmetric bifurcation behaviours of a bogie system
Publication: Research - peer-review › Journal article – Annual report year: 2013

Comparison of Classical and Modern Uncertainty Qualification Methods for the Calculation of Critical Speeds in Railway Vehicle Dynamics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Uncertainty Quantification on High-speed Railway Dynamics
Publication: Research - peer-review › Poster – Annual report year: 2012

Analysis of the nonlinear dynamics of a 2-axle freight wagon in curves
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Die Berechnung der kritischen Geschwindigkeit eines Eisenbahnfahrzeuges: Die richtige, die falsche und die Zufallsmethode
Publication: Research - peer-review › Journal article – Annual report year: 2011

On multiple attractors and critical parameters and how to find them numerically: The right, the wrong and "the American way"
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Non-smooth problems in vehicle systems dynamics: Proceedings of the Euromech Colloquium
Publication: Research - peer-review › Book – Annual report year: 2009

On the critical speed of high-speed railway vehicles
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

The Dynamics of a Railway Wagon Wheel-Set with Dry Friction Damping
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

The dynamics of European two-axle railway freight wagons with UIC standard suspension
Publication: Research - peer-review › Journal article – Annual report year: 2008

The dynamics of non-smooth vehicle dynamical systems and their numerical treatment
Publication: Research › Article in proceedings – Annual report year: 2008

The dynamics of two-axle freight wagons with UIC standard suspension
Publication: Research › Article in proceedings – Annual report year: 2008

Dynamics of European two-axle freight wagons
Publication: Research › Ph.D. thesis – Annual report year: 2007

Dynamics of Railway Vehicles and Rail/Wheel Contact
Publication: Education - peer-review › Book chapter – Annual report year: 2007
On Nonlinear Railway Vehicle Dynamics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Zur äquivalenten Konizität
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Dynamics of two-axle railway freight wagons with UIC standard suspension
Publication: Research - peer-review › Journal article – Annual report year: 2006

Recent advances in the fundamental understanding of railway vehicle dynamics
Publication: Research - peer-review › Journal article – Annual report year: 2006

On quasi-stationary curving dynamics of a railway bogie
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

On the Dynamics of a railway freight wagon wheelset with dry friction damping
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

On the problems of non-smooth railway vehicle dynamics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

On the Quasi-stationary curving dynamics of a railroad truck
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

The Design and performance of the European freight wagon standard suspensions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Nichtlineare Schienenfahrzeugdynamik, neue Grundlagen, Methoden und Ergebnisse
Publication: Research - peer-review › Journal article – Annual report year: 2004

On the Dynamics of a railway freight wagon with UIC standard suspension
Publication: Research › Article in proceedings – Annual report year: 2004

The Dynamics of Railway Freight Wagon Wheelset with Dry Friction Damping in the Suspension
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

The Dynamics of the Three-Piece-Freight Truck
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Die Dynamik eines Güterwagenradsatzes mit Trockenreibungsämpfung
Publication: Research - peer-review › Journal article – Annual report year: 2003

On the dynamics of the three-piece-freight truck
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

The dynamics of the three-piece-freight truck
Publication: Research › Ph.D. thesis – Annual report year: 2002

A polynomial approach to contact mechanics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002
Does a critical speed for railroad vehicles exist?
Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

Asymmetric Hunting And Chaotic Motion Of Railroad Vehicles
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Projects:

Uncertainty Quantification for advanced engineering applications
Project: PhD

Dynamiske undersøgelser af flerlegemesystemer
Project: PhD

Freight Wagon Dynamics and Safety
Project: PhD

Bifurcations and chaos in Nonlinear Dynamics
Project

Højrekvent hjul-skinnedynamik
Project: PhD

teoretiske dynamiske undersøgelser af samspillet mellem hjul og spor for jernbane køretøjer
Project: PhD

Teoretiske og eksperimentelle dynamiske undersøgelser af jernbanekøretøjer
Project: PhD

Activities:

President of the International Association of Vehicle System Dynamics (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Prizes:

Life long Honarary Member of 'The International Association of Vehicle Systems Dynamics' (IAVSD)
Prize: Prizes, scholarships, distinctions