

Experimental verification of surface vehicle dynamics

National Aeronautics and Space Administration]; for sale by the Clearinghouse for Federal Scientific and Technical Information, Springfield, Va. - Experimental verification of dynamic soaring in albatrosses



Description: -

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Soil mechanics.

Motor vehicles -- Dynamics. Experimental verification of surface vehicle dynamics

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NASA CR-1399.

NASA contractor report ;

NASA contractor report, NASA CR-1399 Experimental verification of surface vehicle dynamics

Notes: Includes bibliography.

This edition was published in 1969



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Tags: #International #Journal #of #Vehicle #Design #(IJVD) #Inderscience #Publishers

Experimental verification of an online traction parameter identification method

Zhao B, Tianyu YU, Ding WF, Li XY 2017 Effects of pore structure and distribution on strength of porous Cu-Sn-Ti alumina composites. To solve this problem, a service braking control strategy for heavy-duty trucks based on genetic algorithm is proposed. These brief considerations show that dynamic soaring is fundamental for the extreme travelling performance of albatrosses, enabling their unique way of flying and living.

International Journal of Vehicle Design (IJVD) Inderscience Publishers

Both convective and conductive heat transfers of the clutch pressure plate have been enhanced in order to meet thermo-mechanical performance requirements, by ventilation channels and by chemical composition adjustment, respectively.

International Journal of Vehicle Design (IJVD) Inderscience Publishers

A functional module of the storage system is assembled and assessed in experiment, where a cooling peak power of 2 kW and an average power of 1 kW are observed for 30 minutes. Simulation results demonstrate the effectiveness of the proposed controller and its advantages over previous studies in the presence of parameter uncertainties. The MPA can be used in other product development processes.

Real Time 7 DOF Vehicle Dynamics Model and its Experimental Verification

Even more, the LLSC can effectively mitigate rollovers and skidding on low friction surfaces with clear limitations simultaneously. Keywords: PEV; sound quality; HCM; subjective and objective unified model; multiple operating conditions; BPNN; SVM.

Experimental Analysis of the Vertical Vibration of the Railway Bogie During Braking

Results reveal that the integrated control strategy has good robustness, which can prevent the heavy-duty vehicle rollover effectively and keep the drive intention simultaneously. Jiang H, Meng X, Shen M, Peng X 2015 Hydrodynamic lubrication performance of lip seal with inclined micropores

manufactured on rotary shaft surface.

Vehicle Dynamics Simulation

The colour changes from blue to red and, thus, the total energy increases in all curves where the flight direction is changed from windward to leeward. No external memory was provided but all data were logged to the on-chip 8 MB flash which yielded possible recording intervals to about 40 min. Examination of the Distraction Effects of Wireless Phone Interfaces Using the National Advanced Driving Simulator NHTSA conducted research to investigate the effects of wireless phone use on driving performance and behavior.

Experimental verification of an online traction parameter identification method

Also, global warming, environmental degradation, adverse health implications, and greenhouse gas emission are some of the problems in the existing transportation mode. Four psychoacoustic parameters and one evaluation index of pure tonal noise are used to evaluate the noise samples.

Modeling and Experimental Verification of Vibration and Noise Caused by the Cavity Modes of a Rolling Tire under Static Loading

As a result, the aerodynamic ground effect plays no role in the energy gain. There are large energy gains in all cycles, reaching as high as 300% of the value at beginning of a cycle, first and third cycle.

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