

Vietnam Journal of Mechanics

Volume 45 · Number 1 · March 2023

RESEARCH ARTICLE

Dynamic modelling and singularity-free simulation of closed loop multibody system driven by electric motors

Nguyen Quang Hoang, Vu Duc Vuong, Dinh Van Phong, Nguyen Tung Lam 1

Dynamic response of arbitrary double-curved shells by meridian curve digitalization

Nguyen Dang Bich, Nguyen Hoang Tung, Le Xuan Tung 20

Static and vibration analysis of functionally graded microplate with porosities based on higher-order shear deformation and modified strain gradient theory

Van-Thien Tran, Van-Hau Nguyen, Trung-Kien Nguyen, Thuc P. Vo 36

Dynamic buckling analysis of reinforced composite plate subjected to harmonic loads

Pham Tien Dat, Le Pham Binh 60

Buckling analysis of laminated composite thin-walled I-beam under mechanical and thermal loads

Xuan-Bach Bui, Anh-Cao Nguyen, Ngoc-Duong Nguyen, Tien-Tho Do, Trung-Kien Nguyen 75

An application of Rayleigh quotient for crack detection in simply supported beam

Duong The Hung 91

Instructions for Authors of Vietnam Journal of Mechanics are available at

<https://vjs.ac.vn/index.php/vjmech>

Printed in Vietnam by Chinh Nghia Service., JSC

Copyright deposit in 03/2023.

55.000 VND