

Vietnam Journal of Mechanics

Volume 40 · Number 2 · June 2018

PAPERS

Dynamic analysis of stepped composite cylindrical shells surrounded by Pasternak elastic foundations based on the continuous element method

Le Thi Bich Nam, Nguyen Manh Cuong, Tran Ich Thinh, Le Quang Vinh 105

Free vibration analysis of 2-D FGM beams in thermal environment based on a new third-order shear deformation theory

Tran Thi Thom, Nguyen Dinh Kien 121

Robust control for a wheeled mobile robot to track a predefined trajectory in the presence of unknown wheel slips

Kiem Nguyentien, Linh Le, Tuan Do, Tinh Nguyen, Minhtuan Pham 141

Weighted averaging technique for the design of dynamic vibration absorber installed in damped primary structures

N. D. Anh, N. Q. Hai, N.X. Nguyen, D. V. Hieu, P. T. T. My 155

Atomistic simulation of the uniaxial tension of black phosphorene nanotubes

Van-Trang Nguyen, Danh-Truong Nguyen, Minh-Quy Le 163

Reflection and transmission of quasi-P waves through an orthotropic layer sandwiched between two half-spaces

Do Xuan Tung, Nguyen Thi Kieu, Luong The Thang 171

Effect of intermediate supports location on natural frequencies of multiple cracked continuous beams

Do Nam, Nguyen Tien Khiem, Le Khanh Toan, Nguyen Thi Thao, Pham Thi Ba Lien 181

Instructions for Authors of Vietnam Journal of Mechanics are available at

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

Printed in Vietnam by Hoang Quoc Viet Science and Technology Joint Stock Company

Copyright deposit June, 2018

35.000 VND