

Vol.26 No.4 2013

ACTA MECHANICA SOLIDA SINICA

固体力学学报(英文版)

An International Journal

ISSN 0894-9166



万方数据

Published by
Acta Mechanica Solida Sinica Press
Wuhan, China
<http://amss.hust.edu.cn>



ACTA MECHANICA SOLIDA SINICA

The Chinese Society of Theoretical and Applied Mechanics

Vol.26, No.4, 2013

CONTENTS

A review on research on development of ligament constitutive relations on macro, meso, and micro levels	Chao Wan, Zhixiu Hao, Shizhu Wen (331)
Multi-scale numerical model for simulating concrete material based on fractal theory	Qiang Xu, Jianyun Chen, Jing Li, Mingming Wang (344)
Shock initiation of explosives investigated with small partition experiment and numerical simulation	Weijun Tao, Shi Huan, Fenglei Huang, Guoping Jiang (353)
A mesh-free algorithm for dynamic impact analysis of hyperelasticity	De'an Hu, Zhanhua Sun, Chao Liang, Xu Han (362)
The zonal disintegration mechanism of surrounding rock around deep spherical tunnels under hydrostatic pressure condition: A non-Euclidean continuum damage model	Xiaoping Zhou, Qinghong Hou, Qihu Qian, Yongxing Zhang (373)
Contact analysis for fiber-reinforced, delaminated laminates with kinematic nonlinearity	Jianghong Xue, Li Zi, Hong Yuan, Renhuai Liu (388)
The basic solution of a 3-D rectangular permeable crack in a piezoelectric/piezomagnetic composite material	Yuling Tang, Zhengong Zhou, Linzhi Wu (403)
Bending problem of a finite composite laminated plate weakened by multiple elliptical holes	Chunjian Mao, Xiwu Xu (419)
Stability analysis of a capacitive FGM micro-beam using modified couple stress theory	Behrokh Abbasnejad, Ghader Rezazadeh, Rasool Shabani (427)

Duty Editor Shengxiong Wang