

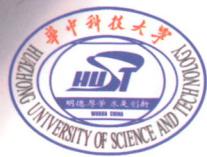
Vol. 31 • No. 4 • August 2018



Q K 1 8 4 9 9 1 5

# Acta Mechanica Solida Sinica

 Springer



ORIGINAL PAPERS

**Construction and Application of Multivariable Wavelet Finite Element for Flat Shell Analysis**

X. Zhang · Y. He · R.X. Gao · J. Geng · X. Chen · J. Xiang **391**

**Frictional Behavior of a Micro-sized Superconducting Fiber in a Low-Temperature Medium: Experimental and Computational Analysis**

S. La · J. Wang · X. Zhang · Y. Zhou **405**

**An SBFEM-Based Model for Hydraulic Fracturing in Quasi-Brittle Materials**

F. Yao · Z.J. Yang · Y.J. Hu **416**

**A State Space Boundary Element Method with Analytical Formulas for Nearly Singular Integrals**

C. Cheng · D. Pan · Z. Han · M. Wu · Z. Niu **433**

**A Multi-mechanism Model Describing Reorientation and Reorientation-Induced Plasticity of NiTi Shape Memory Alloy**

X. Xu · B. Xu · H.M. Jiang · G. Kang · Q. Kan **445**

**A Temporally Piecewise Adaptive Scaled Boundary Finite Element Method for Solving the Fuzzy Uncertain Viscoelastic Problems**

Q. Xue · J. Wang · Y. He · H. Yang · X. Du **459**

**On Parametric Instability Boundaries of Axially Moving Beams with Internal Resonance**

Y.-Q. Tang · Y.-X. Zhang · X.-D. Yang **470**

**Wave Propagation in Fluid-Filled Single-Walled Carbon Nanotube Based on the Nonlocal Strain Gradient Theory**

Y. Yang · J. Wang · Y. Yu **484**

**Constitutive Modeling of Slip, Twinning and Detwinning for Mg Alloy and Inhomogeneous Evolution of Microstructure**

Y. Chen · G. Hu · Y. Lan · K. Zhang · G. Cai **493**

**Heat Conduction in Multilayered Thermoelectric Materials with Multiple Cracks**

S. Ding · Y. Zhou **512**

Indexed in Current contents (ISI), Index Medicus/Medline, Chemical Abstracts and Bioscience Information Service (BIOSIS).

ISSN 0894-9166



ORIGINAL PAPERS

**Construction and Application of Multivariable Wavelet Finite Element for Flat Shell Analysis**

X. Zhang · Y. He · R.X. Gao · J. Geng · X. Chen · J. Xiang **391**

**Frictional Behavior of a Micro-sized Superconducting Fiber in a Low-Temperature Medium: Experimental and Computational Analysis**

S. La · J. Wang · X. Zhang · Y. Zhou **405**

**An SBFEM-Based Model for Hydraulic Fracturing in Quasi-Brittle Materials**

F. Yao · Z.J. Yang · Y.J. Hu **416**

**A State Space Boundary Element Method with Analytical Formulas for Nearly Singular Integrals**

C. Cheng · D. Pan · Z. Han · M. Wu · Z. Niu **433**

**A Multi-mechanism Model Describing Reorientation and Reorientation-Induced Plasticity of NiTi Shape Memory Alloy**

X. Xu · B. Xu · H.M. Jiang · G. Kang · Q. Kan **445**

**A Temporally Piecewise Adaptive Scaled Boundary Finite Element Method for Solving the Fuzzy Uncertain Viscoelastic Problems**

Q. Xue · J. Wang · Y. He · H. Yang · X. Du **459**

**On Parametric Instability Boundaries of Axially Moving Beams with Internal Resonance**

Y.-Q. Tang · Y.-X. Zhang · X.-D. Yang **470**

**Wave Propagation in Fluid-Filled Single-Walled Carbon Nanotube Based on the Nonlocal Strain Gradient Theory**

Y. Yang · J. Wang · Y. Yu **484**

**Constitutive Modeling of Slip, Twinning and Detwinning for Mg Alloy and Inhomogeneous Evolution of Microstructure**

Y. Chen · G. Hu · Y. Lan · K. Zhang · G. Cai **493**

**Heat Conduction in Multilayered Thermoelectric Materials with Multiple Cracks**

S. Ding · Y. Zhou **512**

Indexed in *Current contents (ISI)*, *Index Medicus/Medline*, *Chemical Abstracts* and *Bioscience Information Service (BIOSIS)*.

ISSN 0894-9166

