



VOLUME 12 ISSUE 6 | November 2022 | ISSN 2095-0349
CN 11-5991/03

TAML

THEORETICAL
& APPLIED
MECHANICS
LETTERS

力学快报 (英文)



Institute of Mechanics,
Chinese Academy of Sciences



The Chinese Society of
Theoretical and Applied Mechanics

taml.cstam.org.cn

THEORETICAL & APPLIED MECHANICS LETTERS

Available online at www.elsevier.com/locate/taml

Vol. 12, Issue 6

November 2022

CONTENTS

Elastoplastic constitutive modeling under the complex loading driven by GRU and small-amount data <i>Z.F. Yu, C.H. Han, H. Yang, Y. Wang, S. Tang, X. Guo</i>	389
Influence of physical parameters on the collapse of a spherical bubble <i>B.-H. Sun</i>	395
Shapes of the fastest fish and optimal underwater and floating hulls <i>I. Nesteruk</i>	403
Determination of the full-field stress and displacement using photoelasticity and sampling moire method in a 3D-printed model <i>Z.Y. Ren, Q. Zhang, Y. Ju, H.M. Xie</i>	409
Constitutive modeling of particle reinforced rubber-like materials <i>S. Gour, D. Kumar</i>	419
Predicting solutions of the Lotka-Volterra equation using hybrid deep network <i>Z.-F. Lin, Y.-M. Liang, J.-L. Zhao, J.-R. Li</i>	423
Sedimentation motion of sand particles in moving water (I): The resistance on a small sphere moving in non-uniform flow <i>S.-T. Tsai</i>	432
Fourier neural operator approach to large eddy simulation of three-dimensional turbulence <i>Z.J. Li, W.H. Peng, Z.L. Yuan, J.C. Wang</i>	438
Generalized boundary dilatation flux on a flexible wall <i>T. Chen, T.S. Liu</i>	445
Numerical simulation of laser ultrasonic detection of the surface microdefects on laser powder bed fusion additive manufactured 316L stainless steel <i>Y. Liu, Z.X. Peng, S. Liu, P. Hu</i>	451



Available online at www.sciencedirect.com

ScienceDirect



ISSN 2095-0349



Local Post Office Code No. 82-766