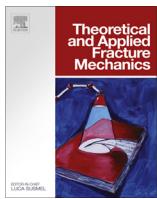




Contents lists available at ScienceDirect

Theoretical and Applied Fracture Mechanics

journal homepage: www.elsevier.com/locate/tafmec

Contents Volume 80

Vol. 75_C

A meshfree variational multiscale methods for thermo-mechanical material failure	1
<i>H.S. Wang</i>	
Multi-scale identification of concrete material parameters	8
<i>M. Santosh and M.A. Ghosh</i>	
Interfacial fracture criteria based on the nominal deformation energy of interface	16
<i>X.J. Cai and J.Q. Xu</i>	
Modeling of dynamic fracture based on the cracking particles method.....	22
<i>V. Kumar and A. Ghosh</i>	
Two collinear square-hole cracks in an infinite plate in tension	32
<i>C. Miao, Y. Wei and X. Yan</i>	
Study on the crack-inclusion interaction with coupled mechanical and thermal strains	39
<i>B. Peng, M. Feng and J. Fan</i>	
Stress intensity factors for hypocycloidal hole with cusps in infinite anisotropic plate	44
<i>D.S. Sharma and J.M. Dave</i>	
The analysis of stress intensity factors in two interacting collinear asymmetric cracks in a finite plate	53
<i>D. Peng and R. Jones</i>	
Fracture assessment of VO-notches under mode II loading: Experiments and theories	59
<i>A.R. Torabi and SH. Amininejad</i>	
A local mesh replacement method for modeling near-interfacial crack growth in 2D composite structures.....	70
<i>Z. Wang, H. Yu and Z. Wang</i>	
Crack growth simulation of multiple cracks systems applying remote contour interaction integrals	78
<i>P.O. Judt and A. Ricoeur</i>	
Isogeometric analysis of stress intensity factors for curved crack problems	89
<i>M.-J. Choi and S. Cho</i>	
The stress intensity factors (SIFs) of cracked half-plane specimen in contact with semi-circular object	104
<i>H. Sanati, A. Amini, F. Reshadi, N. Soltani, G. Faraji and E. Zalnezhad</i>	
Stress intensity factors for internal surface cracks in autofrettaged functionally graded thick cylinders using weight function method	113
<i>R. Seifi</i>	
The effects of thermal stresses on the elliptical surface cracks in PWR reactor pressure vessel.....	124
<i>U.T. Murtaza and M. Javed Hyder</i>	
Analytical model to predict the lifetime of concrete members externally reinforced with FRP	137
<i>P. Foraboschi</i>	

A new fracture area method for predicting the growth of a newly coalesced crack in AA7050-T7451 aluminium alloy	146
<i>J.T. Tan and B.K. Chen</i>	
Cracking mechanisms in granite rocks subjected to uniaxial compression by moment tensor analysis of acoustic emission.	151
<i>L. Jian-po, L. Yuan-hui, X. Shi-da, X. Shuai and J. Chang-yu</i>	

Vol. 76_C

Interaction between multiple piezoelectric inclusions and a crack in a non-piezoelectric elastic matrix	1
<i>H.-F. Yang and C.-F. Gao</i>	
Efficient evaluation of the J ₂ -integral using the boundary element crack shape sensitivities.	9
<i>A. Tafreshi</i>	
A criterion based on the local strain energy density for the fracture assessment of cracked and V-notched components made of incompressible hyperelastic materials.....	17
<i>F. Berto</i>	
High temperature fatigue tests of notched specimens made of titanium Grade 2.....	27
<i>P. Gallo, F. Berto and P. Lazzarin</i>	
Numerical investigation on crack branching during collision for rock-like material.....	35
<i>Y.F. Yang, G. Li, Z.Z. Liang and C.A. Tang</i>	
Evaluation of the singularity exponents and characteristic angular functions for piezoelectric V-notches under in plane and out of plane conditions	50
<i>C.Z. Cheng, S.L. Yao, Z.L. Han, N. Recho and Z.R. Niu</i>	
Fracture analysis for a sub-interface Zener-Stroh crack in a bi-material plate under small-scale yielding condition.....	60
<i>M. Fan, D.K. Yi and Z.M. Xiao</i>	
New cementitious composite building material with enhanced toughness.....	67
<i>G. Ferro, J.M. Tulliani, A. Lopez and P. Jagdale</i>	
Comprehensive data for calculating the higher order terms of crack tip stress field in disk-type specimens under mixed mode loading.	75
<i>J. Akbaroost and A. Rastin</i>	
The interaction between an edge dislocation and a semi-infinite long crack penetrating a circular inhomogeneity.....	91
<i>C.C. Wang, Y.X. Zhao, Y.B. Zhang and Y.W. Liu</i>	

Vol. 77_C

Algorithm to estimate notch root strain in tension using numerical analysis	1
<i>S. Kilambi and S.M. Tipton</i>	
Characteristics of crack front stress fields in three-dimensional single edge cracked plate specimens under general loading conditions	14
<i>Z. Jin and X. Wang</i>	
Fracture toughness of laminates reinforced by piezoelectric z-pins.....	35
<i>B. Gu, H. Zhang, B. Wang, S. Zhang and X. Feng</i>	
Fracture analysis of an orthotropic strip with imperfect piezoelectric coating containing multiple defects	41
<i>J. Bayat, M. Ayatollahi and R. Bagheri</i>	
Effects of U-notches on the dynamic fracture and fragmentation of explosively driven cylinders.....	50
<i>M. Liang, X. Li and F. Lu</i>	
Numerical investigation on corner singularities in cracked plates using the G-theta method with an adapted field.....	59
<i>M.N. Vu, S. Geniaut, P. Massin and J.J. Marigo</i>	
Improvement of adhesive strength at a bi-material interface by adjusting the interface angles at the free edge	69
<i>R.C. Wetherhold and G.F. Dargush</i>	
A systematic investigation of T-stresses for a variety of center-cracked tension specimens.....	74
<i>K. Lu and T. Meshii</i>	

Download English Version:

<https://daneshyari.com/en/article/807518>

Download Persian Version:

<https://daneshyari.com/article/807518>

Daneshyari.com