STRAIN ANALYSIS FOR ENGINEERING DESIGN

Volume 46 Issue 1 January 2011 ISSN 0309-3247

CONTENTS

| Uncertainties associated with strain-measuring systems using resistance strain gauges | 1 |
|--|----|
| W Montero, R Farag, V Díaz, M Ramirez, and B L Boada | |
| A probabilistic safety factor for defect assessment of water pipes subjected to water hammer | 14 |
| S Jallouf, C Schmitt, G Pluvinage, E Hadj-Taïeb, and M Lebienvenu | |
| Controlled fracture test for brittle ceramics | 27 |
| A García-Prieto, J Hernández, M López, and C Baudín | |
| A new mixed-mode fracture criterion for orthotropic materials, based on strength properties | 33 |
| A R Gowhari Anaraki and M Fakoor | |
| Autofrettage and shakedown analysis of strain-hardening cylinders under thermo-mechanical | 45 |
| loadings | |
| X-T Zheng and F-Z Xuan | |
| Saint-Venant torsion of open-section members of uniform thickness | 56 |
| M R Hematiyan and E Estakhrian | |
| Deformation of damaged elastic-brittle isotropic materials with a fixed concentration of | 67 |
| microdefects in a complex stress state | 9. |
| DV Pohish and VN Posture | |



