STRAIN ANALYSIS FOR ENGINEERING DESIGN

October 2010 Volume 45 Issue 7 ISSN 0309-3247

CONTENTS

Analysis of stress and deformation in plastic gears used in gerotor pumps 465 K Biernacki and J Stryczek A novel method for determining the time and location of abrupt fracture initiation in bones 481 M Juszczyk, L Cristofolini, J Kaniuk, E Schileo, and M Viceconti Concentration of normal stresses in flat plates and round bars with periodic notches 495 E Dragoni and D Castagnetti 505 Closed-form solutions for a piecewise quadratic half-plane contact problem M Davies and D A Hills A coupling solution for interfacial stresses in a plated beam 513 S-W Hao, Y-Y Li, J Sun, Q Liu, B Wang, and H-Z Yang Three-dimensional strain analysis of single-lap bolted joints in thick composites using fibre-optic 523 gauges and the finite-element method G Restivo, G Marannano, and G A Isaicu A comprehensive numerical stress-strain analysis of laser beam butt-welded titanium compared with 535 austenitic steel joints C Casavola, L Lamberti, C Pappalettere, and F Tattoli

