

Journal of Testing and Evaluation

Author Index to Volume 16

1988

Number	Month of Issue	Pages
1	January	1-110
2	March	111-252
3	May	253-336
4	July	337-426
5	September	427-496
6	November	497-574

A-B

- Abril, E. R.:** Determination of K_c and residual strength values for sheet materials, Jan., 38
- Akhtar, A.:** Localized intrinsic strengthening approach (LISA): A practical method for determining the tensile strength of multi-strand cables, March, 124
- Ali, J. A.:** *see* Ebrahimi, F. and Ali, J. A.
- Arora, P. R. and Raghavan, M. R.:** Prediction of specimen strain from extensometer deflection measurements in a direct stress fatigue test specimen under static tensile loading, July, 386
- Arora, P. R., Raghavan, M. R., and Prasad, Y. V. R. K.:** Effect of prestrain on fracture toughness of rolled mild steel with significant inclusion content, May, 298
- Arritt, D. L.:** *see* McLain, T. E. and Arritt, D. L.
- Baratta, F. I.:** Load-point compliance of a three-point loaded cracked-notched beam, Jan., 59
- Barbato, G. and Desogus, S.:** Measurement of the spherical tip of Rockwell indenters, July, 369
- Bashu, S. A., Singh, K., and Chowdary, K. M.:** Evaluation of creep rupture behavior of 1Cr-1Mo-0.25V steel with 0.04 wt% Sn, Sept., 450
- Blackburn, L. B.:** Strain measurement technique for elevated temperature tensile and creep testing of foil-gage metals, May, 271
- Blickensderfer, R. and Laird, G., II:** A pin-on-drum abrasive wear test and comparison with other pin tests, Nov., 516
- Brottare, I.:** *see* Groth, H. L. and Brottare, I.
- Bunch, R. P.:** Foot measurement strategies for fitting athletes, July, 407
- Chowdary, K. M.:** *see* Bashu, S. A., Singh, K., and Chowdary, K. M.
- Chudnovsky, A.:** *see* Chaoui, K., Moet, A., and Chudnovsky, A.
- Chusid, M.:** Review of *Movement Control in the Fabric of Buildings* by Rainger, Jan., 109
- Clayton, J. Q. and Rogers, C. B.:** A cleavage precracking technique for sheet steel fracture specimens, Jan., 33
- Collazzo, C.:** A 1986-1987 study of consumer problems in shopping for footwear, with emphasis on size and fit, July, 421
- Cooper, N. R.:** *see* Margetson, J. and Cooper, N. R.
- Cotterell, B.:** *see* Wu, S.-X., Mai, Y.-W., and Cotterell, B.
- Cox, D. W.:** Introduction to symposium on the application of coal sampling and coal preparation to petroleum coke, Jan., 90
- Crooks, R. W.:** *see* Winslow, D. N., Kilgour, C. L., and Crooks, R. W.
- Desogus, S.:** *see* Barbato, G. and Desogus, S.
- Diegele, E.:** *see* Fett, T. and Diegele, E.
- Ding, J. L., Lee, S. R., and Ortiz, R.:** A simple, high precision biaxial extensometer for high temperature creep study, Jan., 72
- Dowling, N. E., Hendricks, R. W., and Ranganathan, K.:** X-ray residual stress measurements in notched test specimens, Sept., 450
- Du Quesnay, D. L., Yu, M. T., and Topper, T. H.:** An analysis of notch-size effects at the fatigue limit, July, 375
- Dutt, O.:** Granule embedment on shingles and roofing membranes, May, 322

E-G

- Ebrahimi, F. and Ali, J. A.:** Evaluation of published data on ductile initiation fracture toughness of low-alloy structural steels, March, 113
- Eisele, U.:** *see* Roos, E. and Eisele, U.
- Engelke, G. H.:** A review of petroleum coke preparation procedures, Jan., 91
- Ferron, G.:** *see* Makinde, A. and Ferron, G.
- Ferron, G. and Makinde, A.:** Design and development of a biaxial strength testing device, May, 253
- Fett, T. and Diegele, E.:** Indirect measurements of compliances in four-point-bending tests, Sept., 487
- Foss, S. K.:** Evaluation procedure for low cycle fatigue data, Sept., 470
- Fuchs, H. O. and Johns, M. V.:** The risk of extrapolations of metal fatigue data, May, 276
- Fukakura, J.:** *see* Suzuki, K., Fukakura, J., and Kashiwaya, H.
- Fullenwider, M. A.:** The barnacle electrode: a compromise between analysis and experiment, March, 242

C-D

- Ceccotti, A. and Vignoli, A.:** Dynamic tests on full-scale structures of glue-laminated timber: theoretical and experimental studies, March, 178
- Chaoui, K., Moet, A., and Chudnovsky, A.:** Strain gage analysis of residual stress in plastic pipes, May, 286
- Chilcott, B.:** *see* Shestopal, V. O. and Chilcott, B.

- Futamata, M. and Takahashi, S.:** Simple measuring system for electrical energy consumed by auxiliaries for advanced batteries, July, 345
- Goddard, M. J. and Malaiyandi, M.:** Complementary statistical methodology for precision and bias determination of test methods from collaborative studies on analysis of solutes in water cited in ASTM Standard Practice D 2777-86, July, 337
- Gradowski, J.:** Discussion of "Effect of Axial Compression," May, 328
- Griswold, N.:** *see* Hough, C. L., Jr., Lednický, T. E., and Griswold, N.
- Groth, H. L. and Brottare, I.:** Evaluation of singular intensity factors in elastic-plastic materials, May, 291
- Gupta, A. K.:** *see* Jain, J. P., Gupta, A. K., Khanna, S. K., and Jain, S. S.

H-J

- Hanna, A.:** *see* Robbins, S. E., Hanna, A., and Jones, L. A.
- Heaton, B. S.:** *see* Purushothaman, N., Heaton, B. S., and Moore, I. D.
- Hendricks, R. W.:** *see* Dowling, N. E., Hendricks, R. W., and Ranganathan, K.
- Herrera, R. and Landes, J. D.:** A direct *J-R* curve analysis of fracture toughness tests, Sept., 427
- Hicks, J. F.:** Fitting a population of feet, July, 404
- Hoepfner, D. W.:** *see* Salivar, G. C. and Hoepfner, D. W.
- Hough, C. L., Jr., Lednický, T. E., and Griswold, N.:** Establishing criteria for a computerized vision inspection of holes drilled in carbon fiber composites, March, 139
- Hsu, T. T. C.:** *see* Su, E. C. M. and Hsu, T. T. C.
- Inn, K. G. W.:** Review of *Radiological Assessment: Predicting the Transport, Bioaccumulation, and Uptake by Man of Radionuclides Released to the Environment*, Jan., 109
- Jain, J. P., Gupta, A. K., Khanna, S. K., and Jain, S. S.:** Additives for bitumen in road construction, Sept., 481
- Jain, S. S.:** *see* Jain, J. P., Gupta, A. K., Khanna, S. K., and Jain, S. S.
- James, W. B.:** Review of *Powder Metallurgy Equipment Manual (Third Edition)* edited by Bradbury, Nov., 558
- Javorik, L. J.:** Response to J. Grabowski's discussion of "Effect of Axial Compression," May, 332
- Jayakar, B.:** *see* Rao, G. J., Narayanan, R., Murugantham, R., and Jayakar, B.
- Johns, M. V.:** *see* Fuchs, H. O. and Johns, M. V.

- Johnston, P. R.:** Liquid filtration: examples of the effects of temperature, viscosity, and liquid flow rate, May, 319
- Jones, L. A.:** *see* Robbins, S. E., Hanna, A., and Jones, L. A.
- Joshi, R. C.:** *see* Nagaraj, T. S., Joshi, R. C., and Srinivasa Murthy, B. R.
- Joyce, J. A. and Schneider, C. S.:** Crack length measurement during rapid crack growth using an alternating-current potential difference method, May, 257

K-L

- Kashiwaya, H.:** *see* Suzuki, K., Fukakura, J., and Kashiwaya, H.
- Kemppainen, M. J.:** *see* Rahka, K. A., Solin, M. P., and Kemppainen, M. J.
- Khanna, S. K.:** *see* Jain, J. P., Gupta, A. K., Khanna, S. K., and Jain, S. S.
- Kilgour, C. L.:** *see* Winslow, D. N., Kilgour, C. L., and Crooks, R. W.
- Kinra, V. K.:** *see* Wren, G. G. and Kinra, V. K.
- Kohno, T.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Krausz, A. A.:** *see* Mshana, J. S. and Krausz, A. S.
- Krompholz, K. and Ullrich, G.:** Investigation of the influence of impact velocity and temperature on the dynamic mechanical properties of the material 22 NiMoCr 37, March, 205
- Lai, C. C.:** Flow of semi-solid foods over inclined packaging surfaces as an index of traction, March, 134
- Laird, G., II:** *see* Blickensderfer, R. and Laird, G., II
- Landes, J. D.:** *see* Herrera, R. and Landes, J. D.
- Lednicki, T. E.:** *see* Hough, C. L., Jr., Lednicki, T. E., and Griswold, N.
- Lee, S. R.:** *see* Ding, J. L., Lee, S. R., and Ortiz, R.

M

- McLain, T. E. and Artritt, D. L.:** Lateral collapse potential of wood stringer-type pallets, March, 222
- Maeda, Y.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Mai, Y.-W.:** *see* Wu, S.-X., Mai, Y.-W., and Cotterell, B.
- Makinde, A.:** *see* Ferron, G. and Makinde, A.
- Makinde, A. and Ferron, G.:** Strain-hardening characteristics of aluminum-1050A, α -(70/30) brass, and austenitic stainless steel under biaxial loading, Sept., 461
- Malaiyandi, M.:** *see* Goddard, M. J. and Malaiyandi, M.
- Mao, X., Shoji, T., and Takahashi, H.:** Development of a miniaturized specimen technique for fracture toughness J_{IC} measurement, March, 229
- Margetson, J. and Cooper, N. R.:** Failure probability analysis of proof loaded components, March, 153
- Mintz, B.:** Structure/property relationship for normalized pipe flanges (grade LF2) made to ASTM specification A 350/A 350M, Nov., 532

- Moet, A.:** *see* Chaoui, K., Moet, A. and Chudnovsky, A.
- Monismith, C. L.:** *see* Sousa, J. and Monismith, C. L.
- Moore, I. D.:** *see* Purushothaman, N., Heaton, B. S., and Moore, I. D.
- Mshana, J. S. and Krausz, A. S.:** On the analysis of thermally activated tension-tension cyclic deformation behavior, Jan., 22
- Muralidharan, U.:** Fatigue life prediction in flexural bending of hollow cross-sectional bars from axial fatigue information, March, 146
- Murphy, J. F.:** Mode II wood test specimen: beam with center slit, July, 364
- Muruganantham, R.:** *see* Rao, G. J., Narayanan, R., Muruganantham, R., and Jayakar, B.

N-P

- Nagaraj, T. S., Joshi, R. C., and Srinivasa Murthy, B. R.:** Generalized equation for compression ratio, Jan., 86
- Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.:** A method for obtaining conservative S-N data for welded structures, May, 280
- Narayanan, R.:** *see* Rao, G. J., Narayanan, R., Muruganantham, R., and Jayakar, B.
- Newman, J. C., Jr.:** *see* Underwood, J. H. and Newman, J. C., Jr.
- Nishijima, S.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Ohta, A.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Ortiz, R.:** *see* Ding, J. L., Lee, S. R., and Ortiz, R.
- Pandey, R. K.:** *see* Pratap, C. R. and Pandey, R. K.
- Polensek, A.:** Effects of testing variables on damping and stiffness of nailed wood-to-sheathing joints, Sept., 474
- Polvani, R. S., Ruff, A. W., Jr., and Whiten-ton, E. P.:** A dynamic microindentation apparatus for materials characterization, Jan., 12
- Prasad, Y. V. R. K.:** *see* Arora, P. R., Raghavan, M. R., and Prasad, Y. V. R. K.
- Pratap, C. R. and Pandey, R. K.:** Evaluation of notch tip opening displacement using a composite crack profile approach, Jan., 17
- Pretnar, B. and Yebuah, R. A. N.:** Effect of nonmetallic inclusions on some ductility parameters of hot-rolled steel sheet, May, 305
- Purushothaman, N., Heaton, B. S., and Moore, I. D.:** Experimental verification of a finite element contact analysis, Nov., 497

R

- Raghavan, M. R.:** *see* Arora, P. R. and Raghavan, M. R.
- see also* Arora, P. R., Raghavan, M. R., and Prasad, Y. V. R. K.
- Rahka, K. A., Solin, J. P., and Kemppainen, M. J.:** Diametral strain response and microstructural yielding mechanisms of a bainitic pressure vessel steel, Jan., 44

- Ranganathan, K.:** *see* Dowling, N. E., Hendricks, R. W., and Ranganathan, K.
- Rao, G. J., Narayanan, R., Muruganantham, R., and Jayakar, B.:** Development of a test setup to simulate pipe reaction end loading on large valves, March, 244
- Rinella, J.:** *see* Timusk, J., Seskus, A. L., Selby, K. A., and Rinella, J.
- Robbins, S. E., Hanna, A., and Jones, L. A.:** Sensory attenuation induced by modern athletic footwear, July, 412
- Rogers, C. B.:** *see* Clayton, J. Q. and Rogers, C. B.
- Roos, E. and Elsele, U.:** Determination of material characteristic values in elastic-plastic fracture mechanics by means of J-integral crack resistance curves, Jan., 1
- Rossi, W. A.:** The futile search for the perfect shoe fit, July, 393
- Ruff, A. W., Jr.:** *see* Polvani, R. S., Ruff, A. W., Jr., and Whiten-ton, E. P.

S

- Salivar, G. C. and Hoepfner, D. W.:** Statistical design of fatigue crack growth test programs, Nov., 508
- Savage, K. I.:** Sampling variance: bias and reproducibility, Jan., 94
- Schneider, C. S.:** *see* Joyce, J. A. and Schneider, C. S.
- Schwartz, R. S.:** *see* Staros, A. and Schwartz, R. S.
- Selby, K. A.:** *see* Timusk, J., Seskus, A. L., Selby, K. A., and Rinella, J.
- Seskus, A. L.:** *see* Timusk, J., Seskus, A. L., Selby, K. A., and Rinella, J.
- Shane, R. S.:** Consumer-friendly labels, Nov., 545
- Shestopal, V. O. and Chilcott, B.:** Impact testing of flexible polyurethane foams, May, 312
- Shockley, W. G.:** Review of *Innovation: A Challenge to the Engineer* by Holt, Sept., 495
- Shoji, T.:** *see* Mao, X., Shoji, T., and Takahashi, H.
- Singh, K.:** *see* Bashu, S. A., Singh, K., and Chowdary, K. M.
- Solin, J. P.:** *see* Rahka, K. A., Solin, J. P., and Kemppainen, M. J.
- Sousa, J. and Monismith, C. L.:** Dynamic properties of asphalt concrete, July, 350
- Soya, I.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Srinivasa Murthy, B. R.:** *see* Nagaraj, T. S., Joshi, R. C., and Srinivasa Murthy, B. R.
- Staros, A. and Schwartz, R. S.:** Custom footwear: the role of computer-aided engineering, July, 417
- Stern, E. G.:** Field testing device for railing systems and rails, Nov., 546
- Strength and stiffness of metal railing systems and rails for buildings,** March, 214
- Su, E. C. M. and Hsu, T. T. C.:** A fatigue test machine for biaxial compression of concrete, Nov., 549
- Suzuki, K., Fukakura, J., and Kashiwaya, H.:** Cryogenic fatigue properties of 304L and 316L stainless steels compared to mechanical strength and increasing magnetic permeability, March, 190

T-Y

- Takahashi, H.:** *see* Mao, X., Shoji, T., and Takahashi, H.
- Takahashi, S.:** *see* Futamata, M. and Takahashi, S.
- Taylor, L. W., III:** Sampling techniques applicable to petroleum coke, Jan., 105
- Timusk, J., Seskus, A. L., Selby, K. A., and Rinella, J.:** Chimney venting performance study, March, 158
- Topper, T. H.:** *see* Du Quesnay, D. L., Yu, M. T., and Topper, T. H.
- Toyomasu, K.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Trott, A. W.:** Introduction to symposium on the fitting of footwear, July, 392
- Turner, J. E.:** Review of *NCRP Report No. 93: Ionizing Radiation Exposure of the Population of the United States*, Nov., 558
- Uchino, K.:** *see* Nakamura, H., Nishijima, S., Ohta, A., Maeda, Y., Uchino, K., Kohno, T., Toyomasu, K., and Soya, I.
- Ullrich, G.:** *see* Krompholz, K. and Ullrich, G.
- Underwood, J. H. and Newman, J. C., Jr.:** Comparison of compliance results for the wedge-loaded compact specimen, Sept., 489
- Vignoli, A.:** *see* Ceccotti, A. and Vignoli, A.
- Westbrook, J. H.:** Review of *Materials and the Designer* by Cornish, Sept., 495
- Whitenton, E. P.:** *see* Polvani, R. S., Ruff, A. W., Jr., and Whitenton, E. P.
- Winslow, D. N., Kilgour, C. L., and Crooks, R. W.:** Predicting the durability of bricks, Nov., 527
- Wren, G. G. and Kinra, V. R.:** An experimental technique for determining a measure of structural damping, Jan., 77
- Wu, S.-X., Mai, Y.-W., and Cotterell, B.:** Plastic rotation factors of three-point bend and compact tension specimens, Nov., 555
- Yebuah, R. A. N.:** *see* Pretnar, B. and Yebuah, R. A. N.
- Yokoyama, T.:** A microcomputer-aided four-point bend test system for determining uniaxial stress-strain curves, March, 198
- Yu, M. T.:** *see* Du Quesnay, D. L., Yu, M. T., and Topper, T. H.