

Journal of Testing and Evaluation

Author Index to Volume 9

1981

Number	Month of Issue	Pages
1	January	1-64
2	March	65-164
3	May	165-220
4	July ¹	165-228
5	September	285-316
6	November	317-376

¹The May and July issues were inadvertently paginated with duplicate numbers.

A-C

- Al-Jarallah, M. and Tons, E.:** Void content prediction in two-size aggregate mixes, Jan., 3
- Arbel, A. and Eliezer, D.:** Some aspects of bi-axial creep testing of thin-walled cylindrical and spherical pressure vessels, March, 141
- Ashland, F. X.:** *see* Geinina, A. E., Ashland, F. X., and Masci, R. M.
- Baram, J. C., Eckhaus, S., and Rosen, M.:** Evaluation of assembly stresses of automotive leaf springs by acoustic emission, Sept., 308
- Beever, C. J.:** *see* Halliday, M. D. and Beever, C. J.
- Bouchard, A.:** *see* Zaikoff, P., Bouchard, A., and Langlois, R.
- Brown, D.:** *see* Crawford, R. J. and Brown, D.
- Brown, M. W. and Miller, K. J.:** Biaxial fatigue machine for elevated temperature testing, July, 202
- Burke, W. F.:** *see* Majumdar, S., Raske, D. T., and Burke, W. F.
- Bush, A. J.:** Stress intensity factors for single-edge-crack solid and hollow round bars loaded in tension, July, 216
- Carlson, K. W.:** *see* Williams, J. A. and Carlson, K. W.
- Cobanoglu, M. M. and Kardos, G.:** Comparison of methods for fracture toughness determination in steels, March, 104
- Collis, S. F.:** *see* Kaufman, J. G. and Collis, S. F.
- Coulon, P. A., Leymonie, C., Saisse, H., and Chauvin, G.:** Quenching, tempering, and aging chromium-molybdenum-vanadium cast steels, March, 93
- Crawford, R. J. and Brown D.:** Design of a dynamic gear test rig, Sept., 311
- Cutler, L. R.:** *see* Krishnadev, M. R., Cutler, L. R., and Galibois, A.
- Cutler, V. C.:** *see* Lawnicki, J. J. and Cutler, V. C.

D-H

- Datta, K. P. and Wood, W. E.:** On the relationship of toughness, fracture initiation energy, and specimen deflection in Charpy tests of 4340 steel, March, 111

- Eckhaus, S.:** *see* Baram, J. C., Eckhaus, S., and Rosen, M.
- El Haddad, M. H., Topper, T. H., and Mukherjee, B.:** Review of new developments in crack propagation studies, March, 65
- Eliezer, D.:** *see* Arbel, A. and Eliezer, D.
- Ewalds, H. L.:** Discussion of "effects of stress ratio on fatigue crack growth rates in X70 pipeline steel in air and saltwater" by Oldrich Vosikovsky, March, 158
- Faulstich, C. N.:** *see* Woelfl, G. A., Wei, I. W., Faulstich, C. N., and Litwach, H. S.
- Findley, W. N. and Reed, R. M.:** Effect of specimen shape and cyclic loading on tension tests of two epoxy resins, Jan., 24
- Fischer, S., Roman, I., Harel, H., Marom, G., and Wagner, H. D.:** Simultaneous determination of shear and Young's moduli in composites, Sept., 303
- Galibois, A.:** *see* Krishnadev, M. R., Cutler, L. R., and Galibois, A.
- Garud, Y. S.:** Multiaxial fatigue: a survey of the state of the art, May, 165
- Gemma, A. E., Ashland, F. X., and Masci, R. M.:** Effects of stress dwells and varying mean strain on crack growth during thermomechanical fatigue, July, 209
- Halliday, M. D. and Beever, C. J.:** Some aspects of fatigue crack closure in two contrasting titanium alloys, July, 195
- Harel, H.:** *see* Fischer, S., Roman, I., Harel, H., Marom, G., and Wagner, H. D.
- Harris, E. S.:** *see* Lazaridis, N. A., Heberling, T. G., Harris, E. S., and Lange, E. A.
- Hartzell, G. E.:** *see* Packham, S. C. and Hartzell, G. E.
- Heberling, T. G.:** *see* Lazaridis, N. A., Heberling, T. G., Harris, E. S., and Lange, E. A.
- Hellmann, D.:** *see* Schwalbe, K.-H. and Hellmann, D.
- Henderson, G. R.:** *see* Server, W. L. and Henderson, G. R.
- Henry, P. M.:** *see* Jacobson, W. O., Rogers, A. N., Schoepflin, F., and Henry, P. M.
- Henshall, S. G.:** *see* Wycherley, G. W. and Henshall, S. G.
- Hojo, H.:** *see* Thai, C. M., Tsuda, K., and Hojo, H.
- Horvick, E. W.:** Hydrogen embrittlement of zinc coatings, Sept., 315

I-L

- Ikegami, K.:** Optimal method for determining anisotropic parameters under combined stress tests, March, 127
- Israeli, A. and Papiar, R.:** Residual stress profile in machined parts, Nov., 348
- Jacobson, W. O., Rogers, A. N., Schoepflin, F., and Henry, P. M.:** Scale and corrosion parameters at a geothermal loop experimental facility, March, 82
- Jensen, R. M.:** Critical evaluation of pulse collectors for utilities, July, 165

- Kardos, G.:** *see* Cobanoglu, M. M. and Kardos, G.
- Kaufman, J. G. and Collis, S. F.:** Fracture toughness data bank, March, 121
- Keusseyan, R. L. and Li, C.-Y.:** Precision strain measurement at elevated temperatures using a capacitance probe, May, 214
- Khan, M. A.:** *see* Takahashi, H., Kahn, M. A., and Suzuki, M.
- Krishnadev, M. R., Cutler, L. R., and Galibois, A.:** A comparative study of the effect of low temperature on the fracture toughness and cyclic properties of two candidate high-strength low-alloy steels for arctic pipeline applications, Jan., 28
- Kumar, M. A.:** *see* Larsen, S. A. and Kumar, R.
- Kurita, M.:** Simplified equations for peak position and for its standard deviation in X-ray stress measurement, March, 133
- Statistical analysis of X-ray stress measurement by the Gaussian curve-fitting method, Sept., 285
- Kuriyama, Y.:** *see* Ogasawara, M., Kuriyama, Y., Tamano, T., Mimura, H., and Yanagimoto, S.
- Lakshmana Rao, N. S.:** *see* Veerabhadra Rao, P., Martin, C. S., Syamala Rao, B. C., and Lakshmana Rao, N. S.
- Lange, E. A.:** *see* Lazaridis, N. A., Heberling, T. G., Harris, E. S., and Lange, E. A.
- Langlois, R.:** *see* Zaikoff, P., Bouchard, A., and Langlois, R.
- Larsen, S. A. and Kumar, R.:** Influence of some variables on extraction results of wool top, Jan., 11
- Lawnicki, J. J. and Cutler, V. C.:** Effect of understressing and coaxing on the fatigue limit of a transverse butt-welded joint, Jan., 39
- Lazaridis, N. A., Heberling, T. G., Harris, E. S., and Lange, E. A.:** Task group report: results of interlaboratory test programs to evaluate the dynamic tear test method, March, 144
- Leymonie, C.:** *see* Coulon, P. A., Leymonie, C., Saisse, H., and Chauvin, G.
- Li, C.-Y.:** *see* Keusseyan, R. L. and Li, C.-Y.
- Litwach, H. S.:** *see* Woelfl, G. A., Wei, I. W., Faulstich, C. N., and Litwach, H. S.

M-R

- McConnell, P.:** Verification of compliance corrections used in determining load-line energies from dynamic load-time data, March, 118
- Majumdar, S., Raske, D. T., and Burke, W. F.:** Procedure for strain-controlled high-cycle fatigue testing at elevated temperatures, Jan., 35
- Marom, G.:** *see* Fischer, S., Roman, I., Harel, H., Marom, G., and Wagner, H. D.
- Martin, C. S.:** *see* Veerabhadra Rao, P., Martin, C. S., Syamala Rao, B. C., and Lakshmana Rao, N. S.

- Masci, R. M.:** *see* Gemma, A. E., Ashland, F. X., and Masci, R. M.
- Miller, K. J.:** *see* Brown, M. W. and Miller K. J.
- Mills, W. J.:** On the relationship between stretch zone formation and the J integral for high strain-hardening materials, Jan., 56
- Mimura, H.:** *see* Ogasawara, M., Kuriyama, Y., Tamano, T., Mimura, H., and Yanagimoto, S.
- Mukherjee, B.:** *see* El Haddad, M. H., Topper, T. H., and Mukherjee, B.
- Ogasawara, M., Kuriyama, Y., Tamano, T., Mimura, H., and Yanagimoto, S.:** Crack initiation, slow crack growth, and unstable propagation of ductile fracture in mild steels in a laboratory experiment, Sept., 296
- Packham, S. C. and Hartzell, G. E.:** Fundamentals of combustion toxicology in fire hazard assessment, Nov., 341
- Papiar, R.:** *see* Israeli, A. and Papiar R.
- Raske, D. T.:** *see* Majumdar, S., Raske, D. T., and Burke, W. F.
- Reed, R. M.:** *see* Findley, W. N. and Reed, R. M.
- Rogers, A. N.:** *see* Jacobson, W. O., Rogers, A. N., Schoepflin, F., and Henry, P. M.
- Roman, I.:** *see* Fischer, S., Roman, I., Harel, H., Marom, G., and Wagner, H. D.
- Rosen, M.:** *see* Baram, J. C., Eckhaus, S., and Rosen, M.
- Ruschau, J. J.:** Fatigue crack growth rate data acquisition system for linear and nonlinear fracture mechanics applications, Nov., 317

S-T

- Saisse, H.:** *see* Coulon, P. A., Leymonie, C., Saisse, H., and Thauvin, G.
- Schoepflin, F.:** *see* Jacobson, W. O., Rogers, A. N., Schoepflin, F., and Henry, P. M.
- Schwalbe, K.-H. and Hellmann, D.:** Application of the electrical potential method to crack length measurements using Johnson's formula, May, 218
- and Setz, W.:** R curve and fracture toughness of thin sheet materials, July, 182
- Server, W. L. and Henderson, G. R.:** Measurement of absorbed Charpy impact energy using a vertical drop tower, May, 210
- Setz, W.:** *see* Schwalbe, K.-H. and Setz, W.
- Shih, T. T.:** Chevron v-notched bend specimen for K_{Ic} measurement of brittle materials, Jan., 50
- Shoji, T.:** Determination of crack tip energy dissipation and elastic-plastic fracture toughness parameter with ductile crack extension, Nov., 324
- Stokes, J. L.:** Magnetic properties of iron and low carbon steel for soft magnet applications, Nov., 354
- Suzuki, M.:** *see* Takahashi, H., Kahn, M. A., and Suzuki, M.
- Syamala Rao, B. C.:**
see Veerabhadra Rao, P. and Syamala Rao, B. C.
see Veerabhadra Rao, P., Martin, C. S., Syamala Rao, B. C., and Lakshmana Rao, N. S.
- Takahashi, H., Kahn, M. A., and Suzuki, M.:** A simple test method for the evaluation of tearing modulus, Jan., 14
- Tamano, T.:** *see* Ogasawara, M., Kuriyama, Y., Tamano, T., Mimura, H., and Yanagimoto, S.
- Thai, C. M., Tsuda, K., and Hojo, H.:** Erosion behavior of polystyrene, Nov., 359
- Thauvin, G.:** *see* Coulon, P. A., Leymonie, C., Saisse, H., and Thauvin, G.
- Tons, E.:** *see* Al-Jarallah, M. and Tons, E.
- Topper, T. H.:** *see* El Haddad, M. H., Topper, T. H., and Mukherjee, B.

- Trantina, G. G.:** Statistical fatigue failure analysis, Jan., 44
- Tsuda, K.:** *see* Thai, C. M., Tsuda, K., and Hojo, H.
- Tye, J. B.:** Sampling plans with low consumers' risk, May, 198

V-Z

- Veerabhadra Rao, P.:**
Martin, C. S., Syamala Rao, B. C., and Lakshmana Rao, N. S.: Estimation of cavitation erosion with incubation periods and material properties, May, 189
and Syamala Rao, B. C.: Similarities in different experiments of erosion caused by cavitation and liquid impingement, May, 179
- Vosikovsky, O.:** Author's closure, March, 159
- Wagner, H. D.:** *see* Fischer, S., Roman, I., Harel, H., Marom, G., and Wagner, H. D.
- Wei, I. W.:** *see* Woelfl, G. A., Wei, I. W., Faulstich, C. N., and Litwach, H. S.
- Williams, J. A. and Carlson, K. W.:** Evaluation of a load-line extensometer for elastic-plastic fracture toughness testing, Nov., 335
- Woelfl, G. A., Wei, I. W., Faulstich, C. N., and Litwach, H. S.:** Laboratory testing of asphalt concrete for porous pavements, July, 175
- Wood, W. E.:** *see* Datta, K. P. and Wood, W. E.
- Wycherley, G. W. and Henshall, S. G.:** Constant force system for delayed fracture experiments, Sept., 292
- Yanagimoto, S.:** *see* Ogasawara, M., Kuriyama, Y., Tamano, T., Mimura, H., and Yanagimoto, S.
- Zaikoff, P., Bouchard, A., and Langlois, R.:** Quality control of tests conducted on bituminous mixtures in Quebec, May, 204