

DOKUMENTY MIĘDZYNARODOWEGO INSTYTUTU SPAWALNICTWA - 2009

Komisja XIII - Wytrzymałość zmęczeniowa konstrukcji i elementów spawanych

- XIII-2151-07 Recommendations for fatigue design of welded joints and components (XV-1254-07) (rev. Dec. 2008 of XIII-1539-96 / XV-845-96) – A. Hobbacher (Germany)
- XIII-2200-07 IIW recommendations on post weld improvement of steel and aluminium structures (rev. July 2009) – P.J. Haagenzen, S.J. Maddox (UK)
- XIII-2265-09 *Granjon Prize: Edge layer condition and fatigue strength of welds improved by mechanical post weld treatment - I. Weich (Germany)*
- XIII-2266-09 Residual stress effects on fatigue life of welded structures using LEFM - Z. Barsoum, I. Barsoum (Sweden)
- XIII-2267-09 Fatigue design of welded components of railway vehicle – influence of manufacture condition and weld quality - M. Kassner, M. Küppers et al (Germany)
- XIII-2268-09 The modified Wöhler curve method to perform the multiaxial fatigue assessment of steel and aluminium welded joints. Part I: Nominal and hot-spot stresses - L. Susmel, R. Tovo (Italy)
- XIII-2269-09 The modified Wöhler curve method to perform the multiaxial fatigue assessment of steel and aluminium welded joints. Part II: The theory of critical distances - L. Susmel, D. Taylor (Italy, Ireland)
- XIII-2270-09 Statistics of weld geometry on notch stresses in laser-hybrid welded butt joints - H. Remes, P. Varsta (Finland)
- XIII-2271-09 Applications of the peak stress method for fatigue analysis of welded joints – B. Atzori, P. Lazzarin, G. Meneghetti (Italy)
- XIII-2272-09 Comparison of post weld treatment of ultra high strength steel welded joints in medium cycle fatigue - M.M. Pedersen et al (Denmark), M.R. Hansen (Norway)
- XIII-2273-09 Influence from weld position on fillet weld quality - B. Jonsson , Z. Barsoum, A. Ghavi Bazou (Sweden)
- XIII-2274-09 Verification of the notch stress concept for the reference radii of $r_{ref} = 1.00$ and 0.05 mm - B. Kranz, C.M. Sonsino (Germany)
- XIII-2275-09 Mechanisms of residual stress relaxation and redistribution in welded high strength steel specimens under mechanical loading - M. Farajian, Th. Nitschke-Pagel, K. Dilger (Germany)
- XIII-2276-09 Fatigue improvement of welded elements and structures by ultrasonic impact treatment (UIT/UP) - Y. Kudryavtsev, J. Kleiman (Canada)

- XIII-2277-09 The fatigue behaviour of steel structures under random loading - H. Agerstov (Denmark)
- XIII-2278-09 Fatigue tests and numerical analyses of partial-load and full-load carrying fillet welds at cover plates and lap joints - W. Fricke, O. Feltz (Germany)
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- XIII-2280-09 S-N curves for welded thin joints –suggested slopes and FAT values for applying the notch stress concept with various reference radii - C.M. Sonsino, T. Bruder, J. Baumgartner (Germany)
- XIII-2281-09 A fatigue design procedure for welded penetrations in plated structures - I. Lotsberg (Norway)
- XIII-2283-09 Work in progress on fatigue strength of welded joints in Japan 2009 - C. Miki, T. Mori, S. Nakamura (Japan)
- XIII-2284-09 Retrofitting engineering for fatigue damaged steel bridge structures - C. Miki (Japan)
- XIII-2285-09 Radiation characteristics of ultrasonic tip echo from fatigue cracks - C. Miki, R. Onishi et al (Japan)
- XIII-2286-09 A new database system of repair cases for fatigue damage on web site - C. Miki, K. Ono (Japan)
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- XIII-2288-09 Study on the relationship between shell and solid stresses in the vicinities of web stiffened cruciform joints - N. Osawa, J. Sawamura, S. Suzuki (Japan)
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- XIII-2290-09 Fatigue tests of various welded joints in plate bending - K. Yamada, T. Ishikawa et al (Japan)
- XIII-2291-09 Report on the round robin tests on residual stresses 2009: New calculations checking an adequate materials law, new results on distortion measurements - H. Wohlfahrt et al (Germany)
- XIII-2294-09 Round robin of weld residual stress by x-ray diffraction and computational simulation in Japan - M. Mochizuki, T. Kurimura (Japan)
- XIII-2295-09 Effect of overload on fatigue crack retardation of aerospace Al-alloy laser welds using crack-tip plasticity analysis - S. Daneshpour, M. Koçak et al (Germany)
- XIII-2296-09 Residual stress analysis of laser spot welding of steel sheets – P. Martinson, S. Daneshpour et al (Germany)