



SEMINAR ANNOUNCEMENT

Effects of Welding Techniques on the Internal Strains of the Material

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The Reverse Time of Flight (RTOF) facility has been tested for detection and classification of defects in laser welded seams. Influence of disturbance effects was investigated systematically. Before analysis data have been processed for consideration of changes in material properties. It can be shown that seam different defects lead to different characteristic indication ranges in the impedance plane. By investigation of samples with known defects a basis of valuation has been created. The application of this basis allows an experimental validation of industrial samples. This paper shows that. The effect of welding kinds on the internal stains in material, where, this study ensure , laser welding (Butt Weld Joint) is the best way to get minimum residual stress after welding.

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