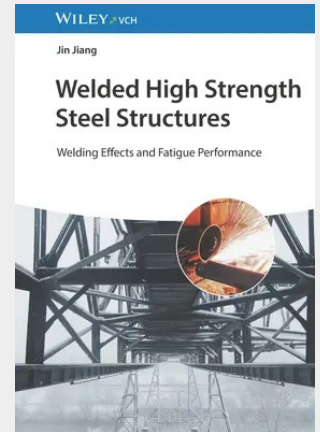


Welded High Strength Steel Structures

Welding Effects and Fatigue Performance

Welded High Strength Steel Structures Understand the impact of fatigue on high strength steel joints with this comprehensive overview High strength steels are highly sought after for industrial and engineering applications ranging from armored vehicles to welded engineering components built to withstand considerable stress. The mechanical properties of welded joints made from high strength steel are integrally linked to the specific welding process, which can have an enormous impact on fatigue performance. Welded High Strength Steel Structures: Welding Effects and Fatigue Performance provides a comprehensive analysis of high strength steel joints and the ramifications of the welding process. It guides readers through the process of performing thermal analysis of high strength steel structures and evaluate fatigue performance in the face of residual stress. The result is a volume with innumerable use cases in engineering and manufacture. Welded High Strength Steel Structures readers will also find: - An author with decades of experience in research and engineering - Numerous studies of various classes of high strength steel joints - Studies on tubular structures for welding residual stress Welded High Strength Steel Structures is a must-own for welding specialists, materials scientists, mechanical engineers, and researchers or industry professionals in related fields.



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