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BEHAVIOUR OF STEEL STRUCTURES IN SEISMIC AREAS COMPRISES THE LATEST PROGRESS IN BOTH THEORETICAL AND EXPERIMENTAL RESEARCH ON THE BEHAVIOUR OF STEEL STRUCTURES IN SEISMIC AREAS. THE BOOK PRESENTS THE MOST RECENT TRENDS IN THE FIELD OF STEEL STRUCTURES IN SEISMIC AREAS, WITH PARTICULAR REFERENCE TO THE UTILISATION OF MULTI-LEVEL PERFORMANCE BASED DESIGN CONCEPTS, THE ANALYSIS OF FACTORS INFLUENCING THE STEEL STRUCTURE BEHAVIOUR DURING STRONG GROUND MOTIONS, MINIMIZING EARTHQUAKE DAMAGE, SEISMIC RETROFIT, THE COLLAPSE BEHAVIOR OF STEEL STRUCTURES, RECENT DEVELOPMENTS IN ADVANCED LARGE-SCALE EXPERIMENTAL TECHNIQUES, AND THE UTILIZATION OF LARGE-SCALE SEISMIC TESTING FACILITIES. A VALUABLE RESOURCE FOR ENGINEERS, SCIENTISTS, AND PH.D. STUDENTS IN CIVIL ENGINEERING, EARTHQUAKE ENGINEERING, STRUCTURAL ENGINEERING, STEEL CONSTRUCTION, STEEL DEVELOPMENT, AND BUILDING DISASTER PREVENTION.