



STESSA 2012

BEHAVIOUR OF STEEL STRUCTURES IN SEISMIC AREAS



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Behaviour Of Steel Structures In Seismic Areas

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Behaviour Of Steel Structures In Seismic Areas:

STESSA 2000: Behaviour of Steel Structures in Seismic Areas Federico Mazzolani, Robert Tremblay, 2021-07-28

This is a review of developments in the behaviour and design of steel structures in seismic areas. The proceedings look at the analytical and experimental research on the seismic response of steel structures and cover topics such as global behaviour and codification design and application.

Behaviour of Steel Structures in Seismic Areas Federico Mazzolani, James M. Ricles, Richard Sause, 2009-12-03. 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.

Proceedings of the 10th International Conference on Behaviour of Steel Structures in Seismic Areas Federico M. Mazzolani, Dan Dubina, Aurel Stratan, 2022-05-07. This volume highlights the latest advances, innovations and applications in the field of seismic design and performance of steel structures as presented by leading international researchers and engineers at the 10th International Conference on the Behaviour of Steel Structures in Seismic Areas, STESSA, held in Timisoara, Romania, on 25-27 May 2022. It covers a diverse range of topics such as behaviour of structural members and connections, performance of structural systems, mixed and composite structures, energy dissipation systems, self-centring and low damage systems, assessment and retrofitting codes and standards, light gauge systems. The contributions, which were selected by means of a rigorous international peer review process, present a wealth of exciting ideas that will open novel research directions and foster multidisciplinary collaboration among different specialists.

Behaviour of Steel Structures in Seismic Areas Federico Mazzolani, Ricardo Herrera, 2012-01-31. Behaviour of Steel Structures in Seismic Areas is a comprehensive overview of recent developments in the field of seismic resistant steel structures. It comprises a collection of papers presented at the seventh International Specialty Conference, STESSA 2012, Santiago, Chile, 9-11 January 2012, and includes the state of the art in both theory and practice.

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Behaviour of Steel Structures in Seismic Areas Federico M. Mazzolani,Akira Wada,2006 A comprehensive review of developments in seismic resistant steel structures this book explores the latest progress in both theoretical and experimental research It distills the findings of scientists and researchers into practical methods providing a complete framework of recent trends The book emphasizes the use of multiple level design the differentiation of earthquake types between near and far field the analysis of all factors influencing steel structure behavior during a strong ground motion and the evaluation of ductility erosion due to unexpected conditions It also presents an analysis of innovative seismic protection techniques that use both passive and active control devices

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