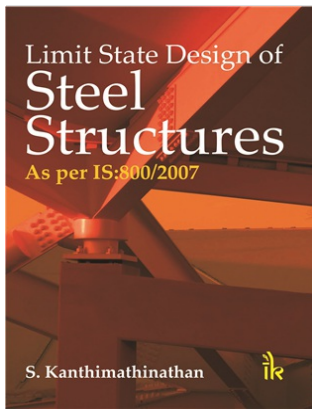


Limit State Design of Steel Structures as per IS:800/2007, 1/e

S. Kanthimathinathan



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About the Book

This book is based on Limit state method as per IS:800:2007.

Any structure from concept to utilization should pass through the following stages:

- ▶ Planning
- ▶ Structural Configuration
- ▶ Structural Analysis
- ▶ Structure Design
- ▶ Detailed Engineering
- ▶ Fabrication

The thrust area of this book is to give more examples which will be useful for the students as well as practising design engineers. The relevant clause numbers of the standards are given there itself to enable the reader to go through the clause of the standards.

There are 13 chapters in this book. Each chapter gives the rationale behind the design of particular component, worked examples with figures and tables.

Salient Features

- ▶ introduction to structural steel design
- ▶ tension members
- ▶ design of compression members
- ▶ design of flexural members
- ▶ design of column bases
- ▶ welded connections
- ▶ bolted connections
- ▶ calculation of wind load on a structure
- ▶ design of pitched roof truss
- ▶ force due to earthquake at various elevations
- ▶ draft design basis report
- ▶ templates for column and base plate with anchor bolts

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13. Codes and templates.

About the Author

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