



Principles of Structural Analysis - Static and Dynamic Loads

By Krishnan Sathia

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Written for beginners and advanced users alike, *Principles of Structural Analysis Static and Dynamic Loads* is part of a three volume series featuring Bentley's STAAD.Pro software. The series is not a how-to manual, but an illustration of the governing principles of engineering the software abides by, and the application of those principles within STAAD.Pro.

Author Krishnan Sathia, a Bentley technical support analyst, utilizes his years of experience to fill the gap that exists between the engineering concepts taught in schools and universities, and the application of those concepts on real-world problems. By connecting theory to practice, the material in this series of books will remain relevant long after today's software has been updated.

Static and Dynamic Loads guides readers through the identification of primary load types in STAAD.Pro and their effects on a structure. This is followed by the principles involved in the generation of loads such as wind, snow, and seismic forces through the software environment and how those loads can be combined and re-used for various purposes. The last part of the book deals with determining the dynamic properties of structures and analyzing them for dynamic loads through response spectrum and time history loading.

Filled with in-depth knowledge of structural analysis, high-quality illustrations and models, and applications through real-world problems, *Principles of Structural Analysis Static and Dynamic Loads* is a must read for students, practicing professionals, and educators around the world.

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Editorial Review

About the Author

Krishnan Sathia, a Bentley technical support director for structural engineering and STAAD trainer, holds a master's degree in structural engineering from Vanderbilt University. Sathia has been associated with STAAD.Pro for more than 15 years. He has developed specifications for some of the program's modules, implemented the software code for several modules, contributed to the creation of the program documentation and training manuals, and tested and validated the software.

Users Review

From reader reviews:

Leonel Burton:

Why don't make it to be your habit? Right now, try to prepare your time to do the important work, like looking for your favorite e-book and reading a reserve. Beside you can solve your short lived problem; you can add your knowledge by the book entitled Principles of Structural Analysis - Static and Dynamic Loads. Try to make the book Principles of Structural Analysis - Static and Dynamic Loads as your friend. It means that it can be your friend when you really feel alone and beside associated with course make you smarter than ever. Yeah, it is very fortunate for you personally. The book makes you far more confidence because you can know anything by the book. So, we should make new experience along with knowledge with this book.

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