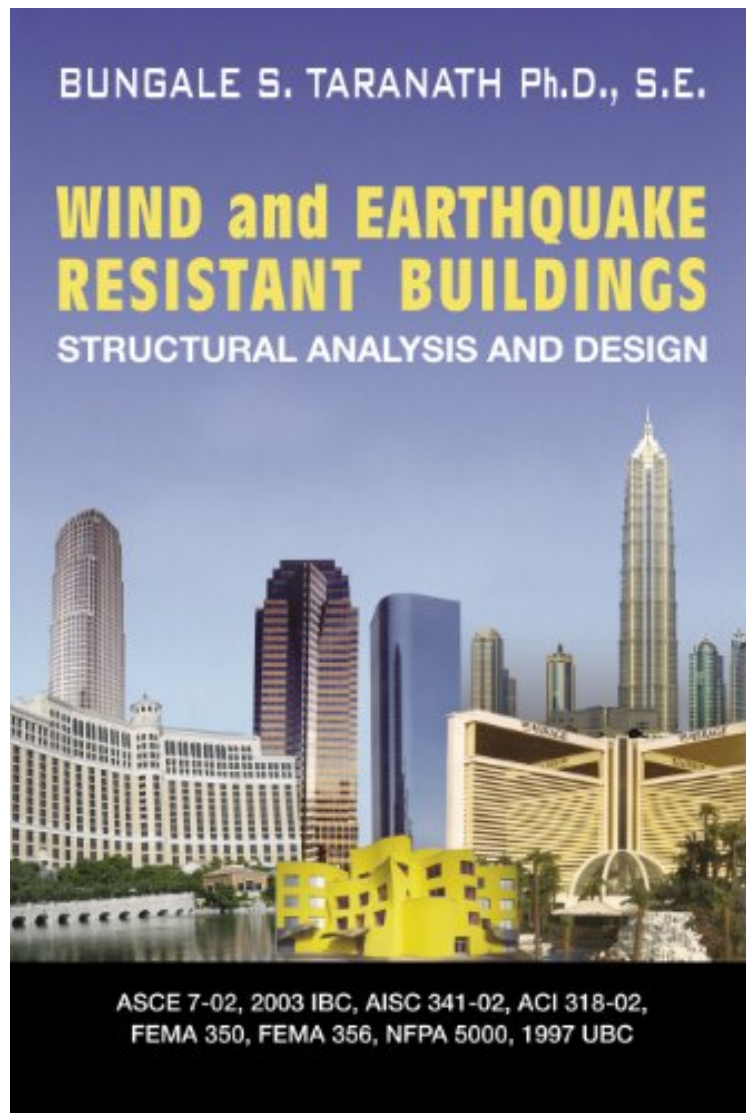


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Wind and Earthquake Resistant Buildings: Structural Analysis and Design (Civil and Environmental Engineering)

Bungale S. Taranath

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Bungale S. Taranath : Wind and Earthquake Resistant Buildings: Structural Analysis and Design (Civil and Environmental Engineering) before purchasing it in order to gage whether or not it would be worth my time, and all praised Wind and Earthquake Resistant Buildings: Structural Analysis and Design (Civil and Environmental Engineering):

2 of 2 people found the following review helpful. Informative InterestingBy James IzapeWERB:Structural Analysis

Design. This book brings to life what a lot of structural engineers grapple with. It is informative and interesting and provides a very clear direction of how to understand and deal with Wind Earthquake Resistant Buildings. I highly recommend this volume. 2 of 6 people found the following review helpful. **DISENO DE EDIFICIOS ALTOS** By Alberto Borrego Sanchez **EL LIBRO PRESENTA EL ESTADO DEL ARTE TANTO EN LOS ASPECTOS SISMICOS COMO DE VIENTO A TOAMR EN CUENTA EN EL DISENO DE EDIFICIOS ALTOS.-ME RESULTA UNA ADQUISICION MUY IMPORTANTE PARA MANTENERME ACTUALIZADO EN LOS METODOS Y CRITERIOS DE DISENO. ATENTAMENTE ING. ALBERTO BORREGO SANCHEZ**

Developed as a resource for practicing engineers, while simultaneously serving as a text in a formal classroom setting, *Wind and Earthquake Resistant Buildings* provides a fundamental understanding of the behavior of steel, concrete, and composite building structures. The text format follows, in a logical manner, the typical process of designing a building, from the first step of determining design loads, to the final step of evaluating its behavior for unusual effects. Includes a worksheet that takes the drudgery out of estimating wind response. The book presents an in-depth review of wind effects and outlines seismic design, highlighting the dynamic behavior of buildings. It covers the design and detailing the requirements of steel, concrete, and composite buildings assigned to seismic design categories A through E. The author explains critical code specific items and structural concepts by doing the nearly impossible feat of addressing the history, reason for existence, and intent of major design provisions of the building codes. While the scope of the book is intentionally broad, it provides enough in-depth coverage to make it useful for structural engineers in all stages of their careers.

fills an important need in the education of modern structural engineers at the graduate level. **About the Author** Bungle S. Taranath, Ph.D., DE, FI, Struct E, is senior project manager with the largest consulting firm in the United States, at John A. Martin and Associates, located in Los Angeles, California. He has extensive experience in the design of concrete, steel, and composite tall buildings, and has served as principal-in-charge on many notable high-rise projects. He has held positions as a senior project engineer in Chicago, Illinois, and as vice president and principal-in-charge with two consulting firms in Houston, Texas. He is a fellow the Institution of Structural Engineers, London, England; a member of the American Society of Civil Engineers and the American Concrete Institute; and a registered structural and professional engineer in several states. He has conducted research into the behavior of tall buildings and shear wall structures and is the author of a number of published papers on torsion analysis and multistory construction projects, including *Structural Analysis and Design of Tall Buildings*, published by McGraw-Hill.