

Wind resistant design of bridges in Japan: developments and practices

Fujino, Yozo, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20398326&lokasi=lokal>

Abstrak

For long-span bridges, wind action is a dominant factor in their safety and serviceability. A large number of long-span bridges have been built in Japan over the past 30 years, and tremendous amounts of research and technical development have been accomplished in wind-resistant design. This book is a compilation of the results of active research and development. Wind-resistant design standards generated in Japan are described in the first few chapters. Then comes information such as design wind speed, structural damping, wind tunnel tests, and analyses, which provide the basis of the design standards. Wind-induced vibrations and their control of girders, towers, cables, and other features are explained with examples of field measurements. Comprehensive listings of Japanese experience in vibration control are also presented.