



**WIND LOADS ASSESSMENT FOR STEEL LATTICE
TOWERS
WITH DIFFERENT CODES**

By

Eng. Mohamed Saied Mohamed Ismail

A Thesis Submitted to the

Faculty of Engineering, Cairo University

In Partial Fulfillment of the requirements for the degree of

MASTER OF SCIENCE

In

STRUCTURAL ENGINEERING

FACULTY OF ENGINEERING, CAIRO UNIVERSITY

GIZA, EGYPT

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Under the supervision of

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Summary :

The thesis describes a comparison of wind load calculations on lattice tower with eleven different load standards all over the world. Steel lattice tower of height 40 m assume to be located at rural area with open terrain. The design wind speed and other wind properties as per different standards were calculated. The comparison of different coefficients and loads were prescribed, and a comparative study of wind load effect with different standers on the design of sections. Then a comparative study of the design of sections with different building standards on a constant wind load was done, and comments on the difference are given.

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