

Errata

Optimum Belt Truss Locations for High Rise Structures

Paper presented by B. S. TARANATH (1st Quarter, 1974)

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Figure 4 should be as shown, with dimension d added.

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Equation (1) should read as follows:

$$\frac{W}{6EI} (l^3 - x^3) - \frac{M_x}{EI} (l - x) = \frac{M_x}{K_x} \quad (1)$$

In the nomenclature following Eq. (1):

The definition of K_x should read:

$$K_x = \text{spring stiffness at } x \text{ equal to } \frac{AE}{(l - x)} \cdot \frac{d^2}{2}$$

Add the following definition:

d = Distance out-to-out of columns

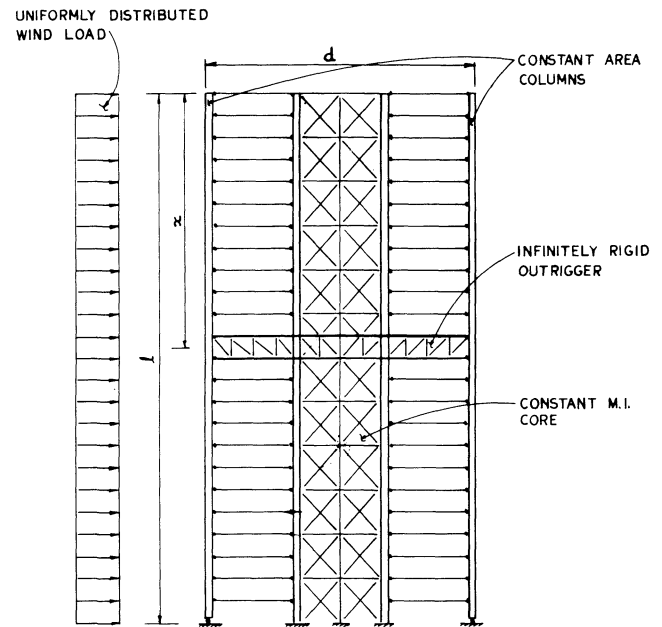


Fig. 4. Analytical model for the simplified structure