

(a) Coordinate system

(b) Normal and shear stresses at point $N(x; y; z)$

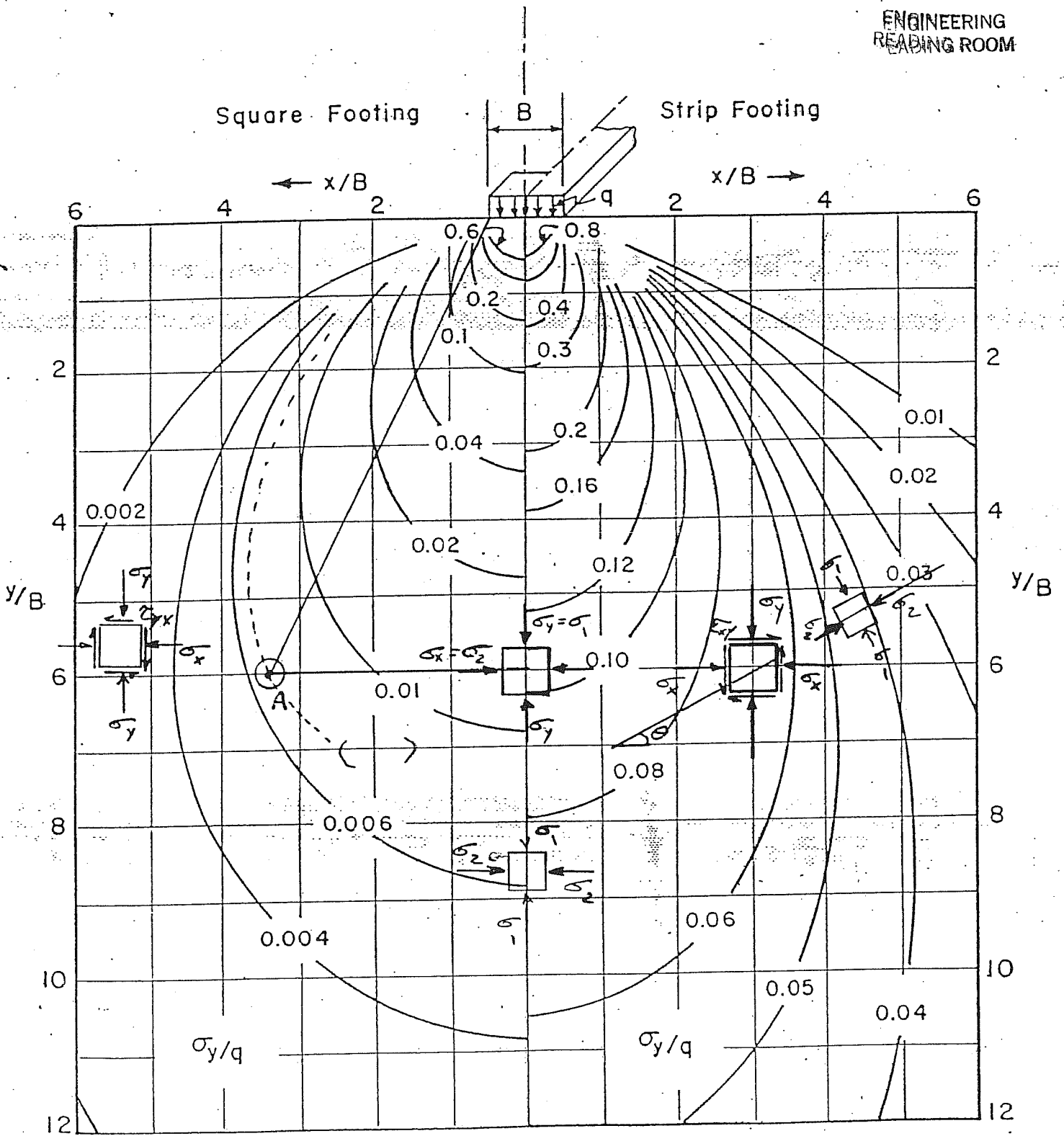
FIG. 20-1 Orthogonal stresses

Tawfiq

Figure 104-1 Vertical pressure due to uniformly loaded square or strip footings.
Boussinesq solution.

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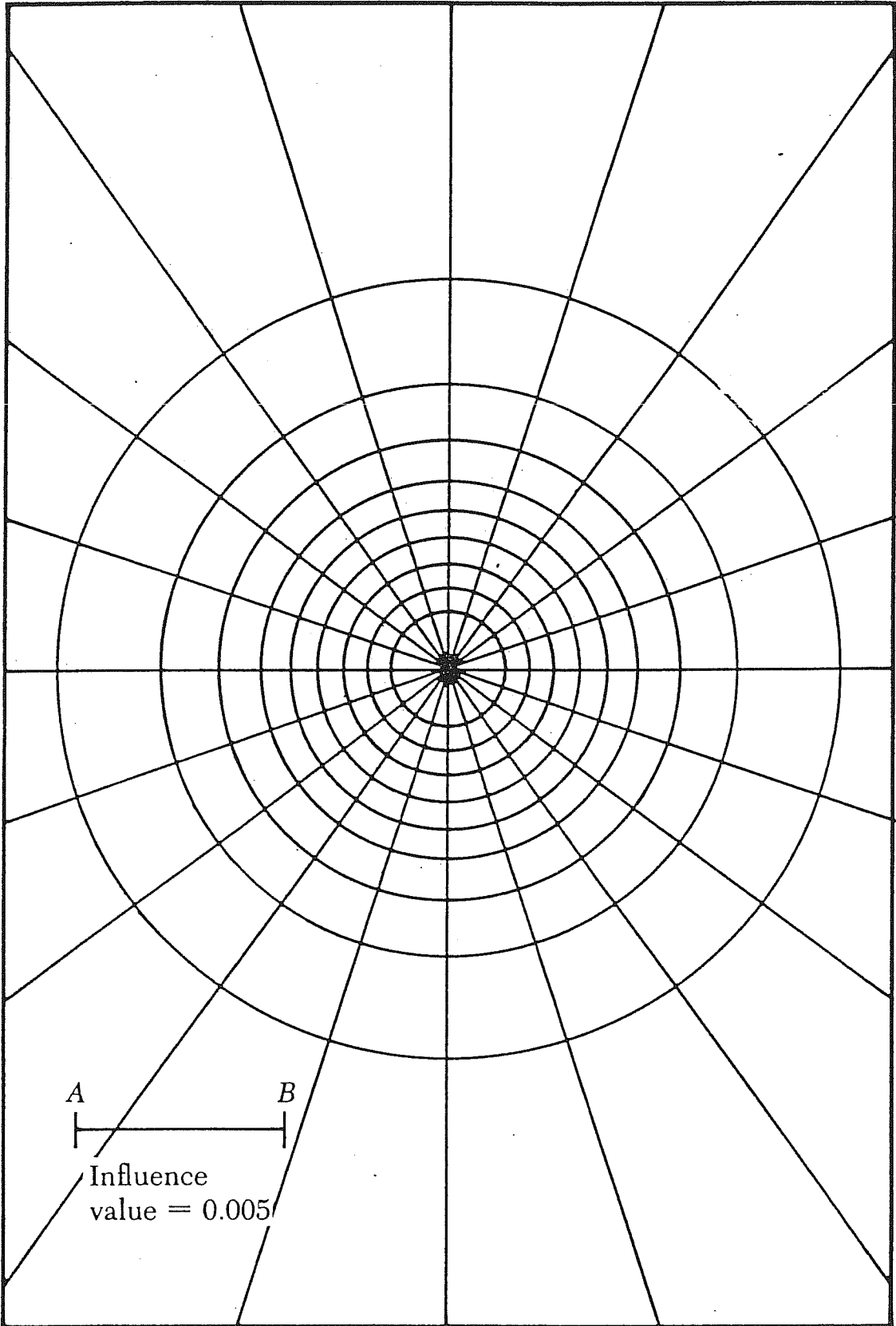


Figure 6.21 Influence chart for vertical pressure based on Boussinesq's theory (after Newmark, 1942)