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7 = INTEIRO POSITIVO

$$\int_{-l}^{l} \cos\left(\frac{m.\pi.x}{l}\right) \cdot S_{em}\left(\frac{\eta.\pi.x}{l}\right) dx = 0, \text{ fools } m \in \mathcal{M}.$$

SENO E COSSENO => FORMAM UM CONJUNTO OETOGONAL DE FUNÇÕES NO INTERVALO -L < X < l.

$$\int_{-2}^{2} \cos\left(\frac{m \cdot H \cdot X}{2}\right) \cdot \cos\left(\frac{M \cdot H \cdot X}{2}\right) dX = \begin{cases} 0, & m \neq n \\ l, & m = n \end{cases}$$

$$\int_{-2}^{2} \sin\left(\frac{m \cdot H \cdot X}{2}\right) \cdot \sin\left(\frac{m \cdot H \cdot X}{2}\right) dX = \begin{cases} 0, & m \neq n \\ l, & m = n \end{cases}$$