

**Chladni Patterns of {Real} 2-D Vibrating Plates:**

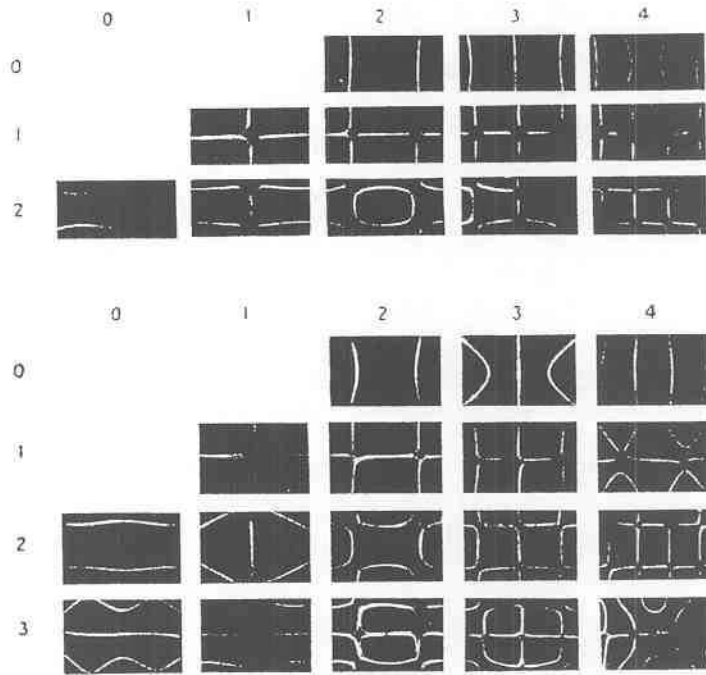


FIGURE 3.9. Chladni patterns showing the vibrational modes of rectangular plates of different shapes: (a)  $L_x/L_y = 2$ ; (b)  $L_x/L_y = 3/2$  (Waller, 1949).

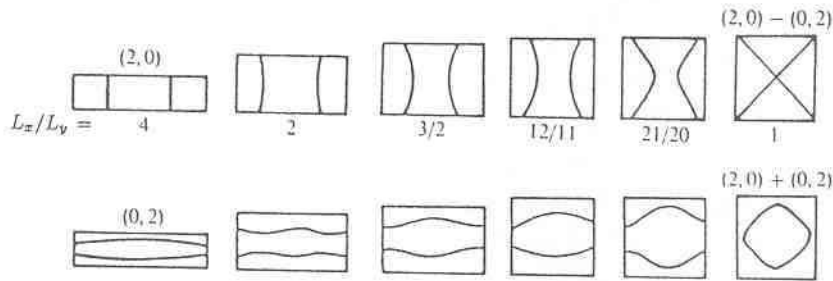


FIGURE 3.10. Mixing of the  $(2, 0)$  and  $(0, 2)$  modes in rectangular plates with different  $L_x/L_y$  ratios (after Waller, 1961).