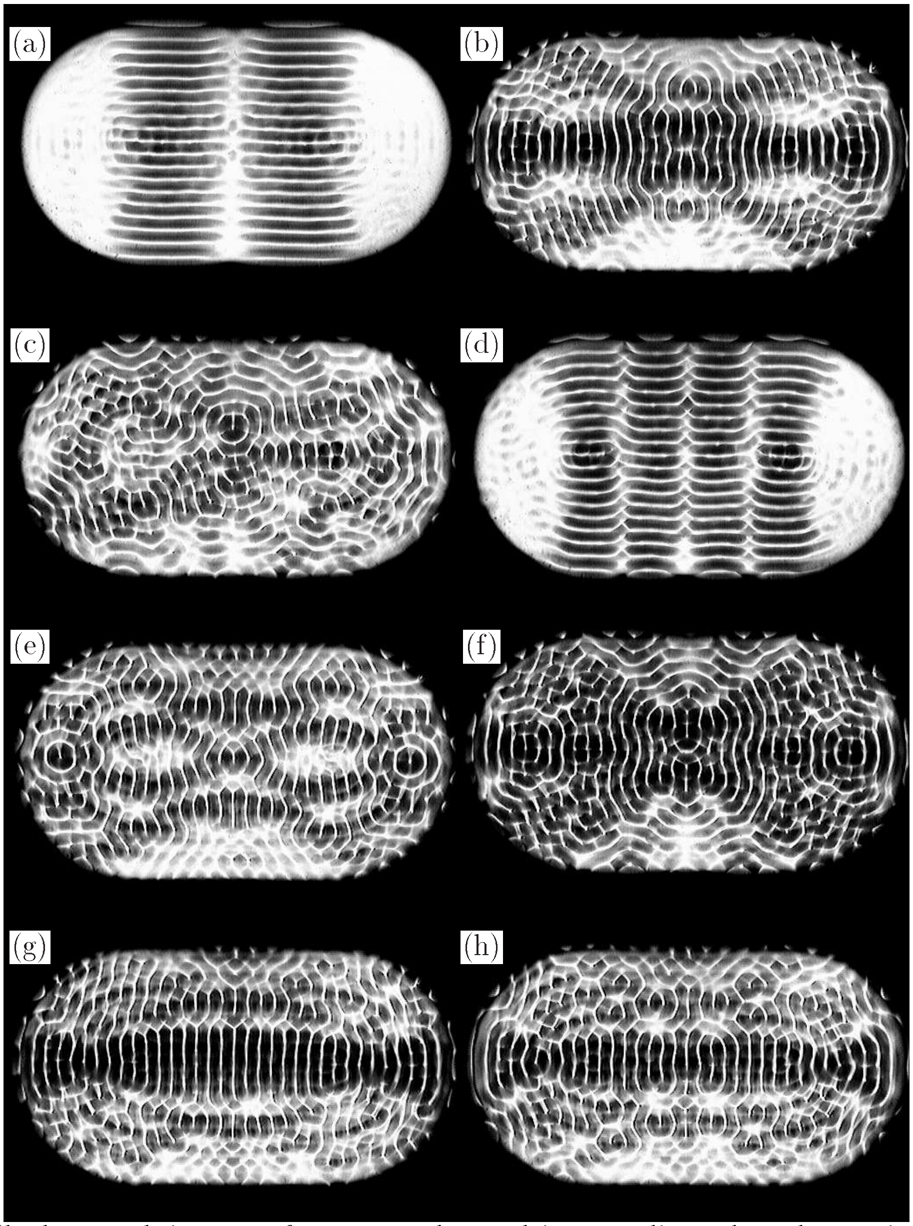

FIG. 2. Shadowgraph images of patterns observed in a stadium shaped container filled with silicone oil as a function of driving frequency ($\epsilon = 0.01$; $\nu = 0.02\,\mathrm{cm}^2\,\mathrm{s}^{-1}$). The frequency interval is similar to that required for the pattern to change significantly. (a) 60.1 Hz; (b) 60.4 Hz; (c) 60.8 Hz; (d) 61.2 Hz; (e) 61.6 Hz; (f) 62.1 Hz; (g) 62.4 Hz; (h) 62.8 Hz. The patterns are strongly influenced by the shape of the container. Both symmetric scarred patterns and asymmetric patterns are found (see text).