

FIGURE 10.14. Time-average holographic interferograms of a free violin top plate and back plate (Hutchins et al., 1971).

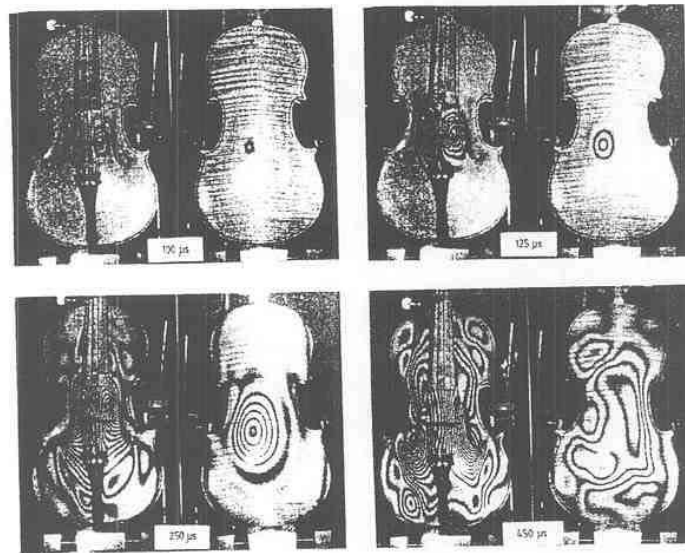


FIGURE 10.15. Interferograms of the top and back plates of a violin at $100 \mu\text{s}$, $125 \mu\text{s}$, $250 \mu\text{s}$, and $450 \mu\text{s}$ after application of a bridge impulse parallel to the top plate. Note the wave propagation in the top plate is outward from both bridge feet and in the back plate it is outward from the soundpost (Molin et al., 1990).