FIGURE 9.17. Holographic interferograms showing top plate distortions for (a) a static force at 1.0 N applied to the sixth string parallel to the bridge, (b) a force of 0.5 N applied to the first string perpendicular to the bridge, (c) a longitudinal force of 2.0 N applied to the first string, and (d) a torque caused by twisting the third string one full turn (Jansson, 1982).

Example: Frequency scan comparison of the mechanical resonances associated with the modal vibrations of a Martin D16 *vs*. a Martin 000C16 guitar using the UIUC Physics 193/406 POM modal vibrations PC-based data acquisition system: