

FIGURE 8.29 *P*-wave focal-mechanism projections and surface-wave radiation patterns for four basic fault orientations. The relative amplitude of the Love-wave (left) and Rayleigh-wave (right) radiation patterns is not drawn to scale. (Adapted from Kanamori, *J. Geophys. Res.* **75**, 5011–5027, 1970; © Copyright by the American Geophysical Union.)

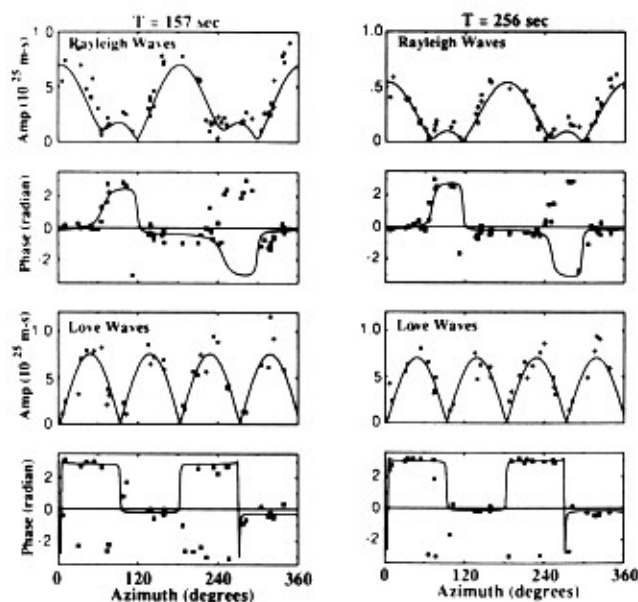


FIGURE 8.30 Azimuthal amplitude and phase variations from Rayleigh-wave and Love-wave observations for the 1989 Loma Prieta earthquake. The spectra have been equalized back to the source. The solid curve is the fit of a theoretical moment tensor source with a major double couple that is oblique right-lateral thrust. (Modified from Velasco *et al.*, 1993. Reprinted with permission.)