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Motions involved in double rotation, a means to obtain sharp nuclear magnetic resonance (NMR) spectra for quadrupolar nuclei in solid materials. The sample is contained in the inner (orange) cylinder, which rotates \(~7000\) times per second around an axis inclined at \(30.6^\circ\) to the axis of the outer (blue) cylinder. The outer cylinder, which has a diameter of \(~1\) centimeter, rotates \(~1000\) times per second around an axis inclined at \(54.7^\circ\) to the magnetic field. See page 71. [Computer-generated image courtesy of Lawrence Berkeley Laboratory]