1. Table: Clebsch-Gordan coefficients, spherical harmonics, and d functions[5]

Sign convention is that of E. P. Wigner, *Group Theory* (Academic, New York, 1959), also used by E. V. Condon and G. H. Shortley, *The Theory of Atomic Spectra* (Cambridge University, New York, 1953), M. E. Rose, *Elementary Theory of Angular Momentum* (Wiley, New York, 1957), and Cohen, *Tables of the Clebsch-Gordan Coefficients* (North American Rockwell Science Center, Thousand Oaks, CA, 1974). The signs and numbers in the current tables have been calculated by computer programs written independently by Cohen and at LBL.