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Three-Dimensional Description of Molecular Normal Vibrations.

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A FORTRAN program that produces a drawing of atomic motions in a molecular vibration has been described. The program consists of a modified ORTEP II program and some new subroutines. The *Lx* matrix derived from a normal coordinate analysis is used as the input data, and three-dimensional displacement of each atom is then drawn as a perspective arrow. The drawing data file can be sent either to an XY-plotter or to a graphic display. Some examples have been shown schematically by the use of this program.