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Vibrational mode degeneracy in adenosine: A Raman and infrared study at high pressures J. LI, S.A. LEE, University of Toledo — Comparison of the Raman and infrared spectra of crystalline adenosine reveals a number of coincident peaks. These coincidences can be explained by either a mode is both Raman- and infrared-active or two different modes (one Raman-active and the other infrared-active) have the same frequency. High pressure has been applied to crystalline adenosine as a perturbation to separate the frequencies of any degenerate modes. The results of these experiments are presented.

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