

Normal Coordinate Analysis And Mean Amplitudes For C₃X₄, 3 4 (X = Cl, I) Compounds

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Normal coordinate analysis of C₃Cl₄ and C₃I₄ has been carried out on the basis of general valence force field, using Wilson's FG matrix method. Approximate vibrational frequencies are calculated from very simple force field and used as an aid in tentative assignments of observed frequencies from literature. Next the force fields are refined by adjustments to the experimental bands assigned as fundamentals. Calculated mean amplitudes for both molecules are reported. © 1981 by Marcel Dekker, Inc. All Rights Reserved. All Rights Reserved.