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Alz TeO6

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coordinate calculations on trirutile-type compounds. Haeuseler. H. (Lab. Anorg. Chem., Univ. Siegen, D-5900 Siegen, 21 Fed. Rep. Ger.). Spectrochim. Acta, Part A 1981, 37A(7), 487-95 (Eng). The Raman spectra are reported of the trirutiles MM'2O6 Di Nocm (M = Mg, Co, Ni, M' = Sb, Ta; M = Zn, M' = Sb) and M_2TeO_6 (M = Al, Ga, Cr, Fe). The IR spectra are also reported for M2TeO6 (M = Al, Ga, Cr, Fe, Mn). A normal coordinate and force const. calcn. was performed based on trirutile-type structure Cartesian sym. coordinates. The Te-O stretching force const. has a value of 3.1 mdyn/A, which indicates a covalent. single bond. The normal modes are discussed in relation to the potential energy distribution and to the vibrations of a free octahedron. ● BraTeDo, Fez TeDo, Slnz TeDo baz TeO6,

95: 228299b Infrared and Raman spectra and normal