THE FORCE MATRIX OF AN NO_2^- MOLECULAR ANION AND DEVIATION OF THE N¯O BOND

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S u m m a r y

The force matrix of a molecular anion NO_2^- is calculated in the frames of the harmonic vibrations approach without any assumptions about the character of force field. Deviations of the N¯O bond of the NO_2^- anion in the KBr matrix and $NaNO_2$ crystal are estimated. The method of estimation of the effective charge of atoms which are included in the structure of a three-atom molecule with symmetry C_{2v} is offered.