LOCAL SURROUNDING, NORMAL VIBRATIONS, 
AND STRUCTURE OF ANION NO$_2^-$ 
IN IONIC CRYSTALS

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Summary

We have studied the behavior of the frequencies of intramolecular vibrations and the equilibrium configuration of the nuclear core of anion NO$_2^-$ on changes of the temperature and the composition of a matrix and on the electron transition $^1A_1 \rightarrow ^1B_1$ ($S_0 \rightarrow S_1$).