

ERRATUM

Erratum: Static and dynamic properties of the structural phase transitions in NaNbO_3
[Phys. Rev. B 9, 3905 (1974)]

A. Avogadro, G. Bonera, F. Borsa, and A. Rigamonti

In the caption of Table II the functions $F(\alpha, \beta, \gamma)$ and $G(\alpha, \beta, \gamma)$ must be written:

$$F(\alpha, \beta, \gamma) = \frac{1}{3} [2 \sin^2 \beta \cos^2 \beta (\cos^4 \gamma + \sin^4 \gamma - \sin^2 \gamma \\ \times \cos^2 \gamma + 2) + 6 \sin^2 \beta \sin^2 \gamma \cos^2 \gamma],$$

$$G(\alpha, \beta, \gamma) = \frac{1}{2} [\sin^4 \beta - \sin^4 \beta \sin^2 \gamma + \sin^4 \beta \sin^4 \gamma \\ - \sin^2 \beta + 1],$$

and consequently: (i) Instead of $\frac{17}{36}$ and $\frac{17}{45}$ (in columns 2 and 3 of the same table) read $\frac{2}{5}$ and $\frac{2}{5}$.

(ii) In Eq. (25) instead of $\frac{17}{36} + 4\frac{17}{45}$ read $\frac{2}{5} + 4\frac{2}{5}$.

In Table III instead of $\frac{15}{27}$ read $\frac{88}{15}$ and in Eq. (30) instead of $\frac{184}{15}$ read $\frac{540}{15}$. In addition, in (30) instead of $[q_m^2(2 - \sqrt{\Delta}) + 2k^2]/\Delta(q_m^2 + k^2)^{1/2}$ read $(q_m^2 + 2k^2)/\sqrt{\Delta}(q_m^2 + k^2)^{1/2}$ and instead of $-4k \arctan(\pi\sqrt{\Delta}/ak)$ read $-(2k/\sqrt{\Delta}) \arctan(\pi\sqrt{\Delta}/ak)$. No important modifications in the order-of-magnitude evaluations have to be considered.