

Mean Amplitudes of Vibration of $[\text{NH}_3\text{F}]^+$ and $[\text{NH}_3\text{Cl}]^+$

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The mean amplitudes of vibration of $[\text{NH}_3\text{F}]^+$ and $[\text{NH}_3\text{Cl}]^+$ were calculated from known spectroscopic and structural data in the temperature range between 0 and 1000 K. The results are compared with those of related species and the bond peculiarities are also briefly discussed. Mean amplitude values for the NH_4^+ cation, at some selected temperatures, are also reported.

Key words: $[\text{NH}_3\text{F}]^+$; $[\text{NH}_3\text{Cl}]^+$; Mean Amplitudes of Vibration; Bond Properties.