The mean amplitudes of vibration of \( \text{PH}_3\text{BH}_3 \) and \( \text{PF}_3\text{BH}_3 \) were calculated from known spectroscopic and structural data between 0 and 1000 K and compared with those of related species. Bond peculiarities are also briefly discussed.

*Key words:* \( \text{PH}_3\text{BH}_3 \); \( \text{PF}_3\text{BH}_3 \); Mean Amplitudes of Vibration; Bond Properties.