



FIG. 4. The thermal expansion coefficient,  $\alpha_f$ , and the compressibility coefficient,  $\beta_f$ , of fluid He<sup>3</sup> along the melting curve.

sented by an equation of the type

$$V_f = d' + b'(P_m + a')^{c'} \quad (4)$$

A similar equation, with  $d' = 0$ , had been used for N<sub>2</sub> measurements (15). The constants of Eq. (4), obtained by a least-squares fit of the experimental data for He<sup>4</sup> and He<sup>3</sup>, are given in Table VII together with the range of applicability and rms deviation in  $V_f$ . Equation (4) applied to He<sup>3</sup> and He<sup>4</sup> probably does not fully reflect the accuracy of the measurements but is useful in making interpolations.