α^{eq} is given by the relations:

$$\begin{aligned} \alpha^{eq} &= 0 && \text{if} \quad v > v_A \\ \alpha^{eq} &= (v-v_A)/(v_B-v_A) && \text{if} \quad v_B < v < v_A \\ \alpha^{eq} &= 1 && \text{if} \quad v < v_B . \end{aligned} \tag{4.6}$$

The graph of α^{eq} is given in Fig. 4.1.

As seen in Table VI, we assume the constancy of physical data, such as C_{v1}, Γ and so on, regardless of pressure. We use the equilibrium value (-.065 Kb/^{o}K) for dp/dT in the coexistence region unless otherwise stated.