$$\frac{\left(\frac{\partial\varrho}{\partial b}\right)_{c} = -\frac{1}{v^{2}}\left(\frac{\partial v}{\partial b}\right)_{c}}{\left(\frac{\partial a}{\partial v}\right)_{c} = -\varrho^{2}\left(\frac{\partial a}{\partial \varrho}\right)_{c}}$$

$$\frac{\left(\frac{\partial a}{\partial v}\right)_{c} = -v^{2}\left(\frac{\partial a}{\partial v}\right)_{c}}{\left(\frac{\partial^{2}v}{\partial b^{2}}\right)_{c} = ??}$$

$$\frac{\left(\frac{\partial^{2}v}{\partial b^{2}}\right)_{c} = ??}{\left(\frac{\partial^{2}\varrho}{\partial b^{2}}\right)_{c} = ??}$$

 $\left(\frac{\partial v}{\partial b}\right) = -\frac{1}{\rho^2} \left(\frac{\partial \varrho}{\partial b}\right)$

 $\overline{\left(\frac{\partial^2 a}{\partial v^2}\right)}_{a} = \frac{\varrho^3}{2} \left(\frac{\partial a}{\partial \varrho}\right)_{a} + \varrho^4 \left(\frac{\partial^2 a}{\partial \varrho^2}\right)_{a}$

 $\left(\frac{\partial^2 a}{\partial \rho^2}\right)_{a} = \frac{v^3}{2} \left(\frac{\partial a}{\partial v}\right)_{a} + v^4 \left(\frac{\partial^2 a}{\partial v^2}\right)_{a}$