$$\left(\frac{G}{1-\nu}\right)(h_c-h_t) = \frac{\sigma_0}{3\sqrt{\alpha_t}}(2a_1-3a_2)\left\{\int_0^{R_t} Ln(K)\,dr\right.$$

$$\left.-R_t\ Ln\ (K_t)\right\} - \frac{2\sigma_0}{3}\left\{7a_1 N_t - J_t\left(9a_2 h_c^2 + 3a_3\right)/H_1\right\}$$

$$+\frac{1}{3}\sigma_0 h_c\left[(3a_2-4a_1)/(\beta_t^2-4\alpha_t\gamma_t)\right]\left\{(D_1N_t+EJ_t/H_1)\right. \qquad (57)$$

$$\left.-R_t\ (D_1R_t^2-E)/(\sqrt{\alpha_t}\ R_t^2-\sqrt{\gamma_t})\right\} - \frac{1}{3}bR_t^3(4a_1+a_2)$$

$$-bR_t\left[R_t^2\left(\frac{2}{3}a_1-a_2\right)+6a_2h_c^2+2a_3+P_t/b\right] - F_t/R_t$$

$$D_1 = \beta_t\ \beta_t' - 2\alpha_t\ \gamma_t' \qquad H_1 = 2\,(\alpha_t\gamma_t)^{0.25} \qquad (58)$$

$$E_1 = \beta_t\,\gamma_t' - 2\gamma_t\ \beta_t'$$