$$\pi = \left(\frac{R}{P_{0}} \rho \theta_{e}\right)^{R} / C_{v}$$

$$\Rightarrow \rho = \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p}}$$

$$\Rightarrow r = \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p}} \approx \pi^{c} v / R \left(1 + \frac{C_{v} \pi^{c}}{R} \frac{\pi^{c}}{\pi_{0}}\right)$$

$$\Rightarrow r = \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p0}} \left(1 + \frac{C_{v} \pi^{c}}{R} \frac{\pi^{c}}{\pi_{0}}\right) \left(1 - \frac{\theta_{e}^{c}}{\theta_{p0}}\right)$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p0}} \left(1 + \frac{C_{v} \pi^{c}}{R} \frac{\pi^{c}}{\pi_{0}}\right) \left(1 - \frac{\theta_{e}^{c}}{\theta_{p0}}\right)$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p0}} \left(1 + \frac{C_{v} \pi^{c}}{R} \frac{\pi^{c}}{\pi_{0}} - \frac{\theta_{p}^{c}}{\theta_{p0}}\right)$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\theta_{p0}} \left(1 + \frac{C_{v} \pi^{c}}{R} \frac{\pi^{c}}{\pi^{c}} - \frac{\theta_{p}^{c}}{\theta_{p0}}\right)$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\pi^{c}} \frac{\pi^{c}}{\pi^{c}} \frac{\pi^{c}}{\theta_{p0}} \frac{\theta_{p0}^{c}}{\theta_{p0}}$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c} v / R}{\pi^{c}} \frac{\pi^{c}}{\pi^{c}} \frac{\pi^{c}}{\theta_{p0}} \frac{\theta_{p0}^{c}}{\theta_{p0}}$$

$$\Rightarrow \frac{P_{00}}{R} \frac{\pi^{c}}{\pi^{c}} \frac{\pi^{c}}{\theta_{p0}} \frac{\pi^$$

Thus

Thus
$$\iint_{P_0} C_0 \frac{C}{R} = \iiint_{P_0} P_0 \frac{C_0}{R} \frac{T_0! - T_2!}{T_0}$$

$$+ \iiint_{P_0} P_0 \frac{\theta_{P_0}}{\theta_{P_0}} - \theta_{P_0}!$$

$$C = \frac{\iiint_{P_0} P_0}{R} \frac{T_0!}{T_0} + \iiint_{P_0} \frac{\theta_{P_0}}{\theta_{P_0}} - \frac{\theta_{P_0}!}{\theta_{P_0}}$$
Using $P_0 = \frac{P_{00}}{R} \frac{T_0' U_R}{\theta_{P_0}}$, it can also be written as
$$(((P_0(T_1' - T_0') + ((B_0^R) \frac{T_0}{R}) + \theta_0'))$$

$$C = \frac{\int \int \int P(\pi_i' - \pi_i') + \int \int P(\pi_i') + \frac{\pi_o}{g_{po}} (\partial_{pi} - \partial_{pi})}{\int \int \int P(\pi_i' - \pi_i') + \int \int P(\pi_i') + \frac{\pi_o}{g_{po}} (\partial_{pi} - \partial_{pi})}$$

B = Co Po R To Poo R2 Opo