Ciacov dispersion redution
$$\begin{cases}
\ell_{tt} = -2 \text{ V}_{xt} \\
V_{tx} = \frac{P_{xxxx}}{2} - C_{xx}
\end{cases}$$

$$V_{tx} = \frac{P_{xxxx}}{2} - C_{xx}$$

$$\omega^{2} \rho = K^{4} \rho + 2K^{2} \rho$$

$$C^{2} \rho = \frac{W^{2}}{K^{2}} = K^{2} + 2K^{2}$$

$$C(-\beta e^{(2)} + 2V^{(2)}) = 2e^{(2)}$$

$$-(\beta = 2 \Rightarrow) C = \frac{2}{\beta} = -\sqrt{2}$$

$$2C = -2\beta \Rightarrow C = -\beta = -\sqrt{2}$$

$$8^{6}\sqrt{2}$$

$$\left(\frac{1}{2} - 2(VR)_{x} = -2V_{x}R - 2VR_{x} \right)
 = \left(-V^{2} - \frac{Q_{x}^{2}}{4R^{2}} + \frac{Q_{xx}}{2R} - P \right)_{x} = -2VV_{x} + \frac{f_{x}^{2} + f_{xx}r^{2} - 2f_{x}R_{xx}r^{2}}{2P^{3}} - F_{x}$$

$$Q_{t} = -2V_{x}R - 2VP_{x}$$

$$2(^{3}(V_{t} + P_{x} + 2VV_{x}) = P_{x}^{3} + P_{xxx}P^{2} - 2R_{x}P_{x$$

$$Q = 1 + \varepsilon^{2} + \varepsilon^{4} + \varepsilon^{4}$$

$$V = \varepsilon^{2} V + \varepsilon^{4} V^{2}$$

$$V = \varepsilon^{4} V^{4}$$

$$V = \varepsilon^{4} V^{$$

· Collecting.

oth order:

1st order:

2 nd order:

$$-9 \cdot (2) = -2 \cdot (3)$$

$$-29 \cdot (3) = -2 \cdot (3)$$

$$-29 \cdot (3) + 2 \cdot (3) = 0$$

$$-29 \cdot (3) + 2 \cdot (3) = 0$$

$$-29 \cdot (3) + 4 \cdot (3) = 0$$

-23344=0 => -28344=0 => 8=2=> B=V2

4th order:

$$-\beta P_{5}^{(2)} + Q_{7}^{(1)} = -2 V_{5}^{(2)} - 2 V_{5}^{(2)} - 2 V_{5}^{(1)} - 2 V_{7}^{(1)} Q_{5}^{(1)}$$

$$-2 \beta V_{5}^{(2)} + 2 V_{7}^{(1)} + 2 Q_{5}^{(2)} + 4 V_{7}^{(1)} V_{5}^{(1)} - 6 \beta P_{7}^{(1)} V_{7}^{(1)} + 6 P_{7}^{(1)} = P_{FF}^{(1)}$$

$$-9?^{\binom{n}{2}} + 2V_{5}^{(n)} = -?^{\binom{n}{2}} - 12V_{5}^{(n)} ?^{\binom{n}{2}} - 2V_{1}^{(n)} ?^{\binom{n}{2}} = (4)$$

$$2?^{\binom{n}{2}} - 29V_{5}^{(n)} = ?^{\binom{n}{2}} + 63?^{\binom{n}{2}} V_{5}^{(n)} - 6?^{\binom{n}{2}} ?^{\binom{n}{2}} - 2V_{7}^{(n)} - 4V_{1}^{(n)} V_{5}^{(n)} = (2)$$

$$(1) (-V_{2}) \quad 2?^{\binom{n}{2}} - 2\sqrt{2}V_{5}^{(n)} = V_{2}?^{\binom{n}{2}} + 2\sqrt{2}V_{5}^{(n)} ?^{\binom{n}{2}} + 2\sqrt{2}V_{1}^{(n)} ?^{\binom{n}{2}} ?^{\binom{n}{2}}$$

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