

$$\text{Expand} \left[ \partial_{\{\eta_1, 3\}} \partial_{\{\alpha_1, 2\}} \partial_{\{\xi_1, 2\}} \partial_{\{\eta_2, 2\}} \partial_{\{\alpha_2, 2\}} \partial_{\{\xi_2, 1\}} \text{Exp} \left[ \right. \right. \\
\left. \left. \left( -\frac{\text{Log}[1 - \epsilon \eta_2 \xi_1]}{\epsilon} + \tau_1 + \tau_2 \right) \mathbf{t} + \left( \eta_1 + \frac{e^{-\alpha_1} \eta_2}{1 - \epsilon \eta_2 \xi_1} \right) \mathbf{y} + \right. \right. \\
\left. \left. \left( 2 \text{Log}[1 - \epsilon \eta_2 \xi_1] + \alpha_1 + \alpha_2 \right) \mathbf{a} + \left( \frac{e^{-\alpha_2} \xi_1}{1 - \epsilon \eta_2 \xi_1} + \xi_2 \right) \mathbf{x} \right. \right. \\
\left. \left. \right] / \cdot (\tau | \eta | \alpha | \xi)_{1|2} \rightarrow \mathbf{0} \right]$$

$$2 a^4 t^2 x y^3 + 4 t x^2 y^4 - 16 a t x^2 y^4 + 24 a^2 t x^2 y^4 - 16 a^3 t x^2 y^4 + \\
4 a^4 t x^2 y^4 + 16 x^3 y^5 - 32 a x^3 y^5 + 24 a^2 x^3 y^5 - 8 a^3 x^3 y^5 + a^4 x^3 y^5 + \\
2 a^4 t x y^3 \epsilon - 8 a^5 t x y^3 \epsilon + 8 x^2 y^4 \epsilon - 40 a x^2 y^4 \epsilon + 80 a^2 x^2 y^4 \epsilon - \\
80 a^3 x^2 y^4 \epsilon + 40 a^4 x^2 y^4 \epsilon - 8 a^5 x^2 y^4 \epsilon - 4 a^5 x y^3 \epsilon^2 + 8 a^6 x y^3 \epsilon^2$$