$$\left[\begin{array}{c} \dfrac{e^{it}\left(e^{-2i\left(\left(\left(i+2i\eta^2\right)\epsilon-\frac{i}{12}+\eta\right)t+\left(-\frac{ib_2}{2}+\frac{c_2}{2}\right)\delta^4+\left(-\frac{ib_1}{2}+\frac{c_1}{2}\right)\delta^2-\frac{ix}{2}\right)\sqrt{\eta^2-1}}\sqrt{\eta-\sqrt{\eta^2-1}}-e^{2i\left(\left(\left(i+2i\eta^2\right)\epsilon-\frac{i}{12}+\eta\right)t+\left(-\frac{ib_2}{2}+\frac{c_2}{2}\right)\right.}}{\sqrt{\eta^2-1}} \\[2em] \dfrac{i\left(-\left(i\eta-i\sqrt{\eta^2-1}\right)\sqrt{\eta+\sqrt{\eta^2-1}}\,e^{2i\left(\left(\left(i+2i\eta^2\right)\epsilon-\frac{i}{12}+\eta\right)t+\left(-\frac{ib_2}{2}+\frac{c_2}{2}\right)\delta^4+\left(-\frac{ib_1}{2}+\frac{c_1}{2}\right)\delta^2-\frac{ix}{2}\right)\sqrt{\eta^2-1}}+e^{-2i\left(\left(\left(i+2I\eta^2\right)\epsilon-\frac{i}{12}+\eta\right)t+\left(-\frac{ib_2}{2}+\frac{c_2}{2}\right)\delta}\right.}}{\sqrt{\eta^2-1}} \end{array}\right.$$