$\sigma_2 = 0.377 \, e^{3.11z} + 0.445 \, e^{-3.65z} + e^{-6.25z} \cos(3.42z) \, \left( -0.411 - 0.0315 \, i \right) + e^{-6.25z} \cos(3.41z) \, \left( -0.411 + 0.0306 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( 0.0315 - 0.411 \, i \right) + e^{-6.25z} \sin(3.41z) \, \left( 0.0306 + 0.411 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.42z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.4z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.2z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z} \sin(3.2z) \, \left( -0.411 - 0.0316 \, i \right) + e^{-6.25z}$