$$\begin{aligned} & \text{sigma}[\mathbf{x}] = ((2*(\mathbf{muz} + \mathbf{gx})*\mathbf{nu})/(K*(\mathbf{nu} + \mathbf{muz} + \mathbf{gx})))^{\Delta}0.5 \\ & g[\mathbf{x}] = -(Tx/(2*(\mathbf{nu} + \mathbf{muz} + \mathbf{gx}))) + \\ & T \\ & (((2*\mathbf{nu}/K))^{\Delta}0.5)*((\mathbf{muz} + \mathbf{gx})^{\Delta}0.5/(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{\Delta}0.5)* \\ & ((\mathbf{sinh}[x/\mathbf{sigma}[x]])/(\mathbf{cosh}[L/\mathbf{sigma}[x]])))/(2*(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})) \\ & g^{T}[\mathbf{x}] \\ & g^{T}[\mathbf{x}] \\ & = \frac{Tx}{2(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})} + \frac{0.707107(\frac{\mathbf{su}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gz})^{0.5} \sinh\left[\frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{0.5}}\right] \\ & \frac{gTx_{N}}{(K(\mathbf{muz} + \mathbf{nu} + \mathbf{gx}))^{2}} + \frac{0.707107(\frac{\mathbf{su}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gz})^{0.5} \sinh\left[\frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{0.5}}\right] \\ & \frac{gTx_{N}}{2(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2}} - \frac{1.06066g(\frac{\mathbf{m}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gx})^{0.5} \sinh\left[\frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{0.5}}\right] \\ & \frac{gTx_{N}}{2(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2}} - \frac{1.06066g(\frac{\mathbf{m}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gx})^{0.5} \sinh\left[\frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{2}}\right] \\ & \frac{gTx_{N}}{2(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2}} - \frac{1.06066g(\frac{\mathbf{m}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gx})^{0.5}}{K(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2}} + \frac{0.707107c}{K(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2}} \\ & \frac{0.353553g(\frac{\mathbf{g}}{K})^{0.5}T(\mathbf{muz} + \mathbf{gx})}{K(\mathbf{muz} + \mathbf{gx})^{0.5}} (\mathbf{muz} + \mathbf{gx})^{0.5} \\ & \frac{0.707107c}{(K(\mathbf{muz} + \mathbf{nu} + \mathbf{gx})^{2})} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{gx})^{0.5} \\ & \frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{2}} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{gx})^{0.5} \\ & \frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{2}} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{gx})^{0.5} \\ & \frac{0.707107c}{K(\mathbf{muz} + \mathbf{gx})^{2}} (\mathbf{muz} + \mathbf{gx})^{0.5} (\mathbf{muz} + \mathbf{$$

$$0.25gL(\frac{\text{nu}}{K})^{0.5}T(-\frac{g\text{nu}(\text{muz}+gx_{-})}{K(\text{muz}+\text{nu}+gx_{-})}+\frac{g\text{nu}}{K(\text{muz}+\text{nu}+gx_{-})}) \sin \ln \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{mum}+gx_{-})}) \cos h' \left[ \frac{0.707107L}{K(\text{muz}+\text{nu}+gx_{-})} \right] \cos h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-})}) \cos h' \left[ \frac{0.707107x_{-}}{K(\text{muz}+\text{nu}+gx_{-})} \right] \cos h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-})}) \sin h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-})}) \sin h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-})}) \sin h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-})}) \sin h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-}))} \right] \cos h' \left[ \frac{0.707107x_{-}}{(\text{nu}(\text{muz}+gx_{-}))} \cos h' \left[ \frac{0.707107x_{$$