$$\begin{aligned} & \text{w'}[x_{-}] \\ & \text{outside} = \frac{g\,T\,x_{-}}{4\,\,(\text{muz}\,+\,\text{nu}\,+\,g\,x_{-})^{2}} - \frac{T}{4\,\,(\text{muz}\,+\,\text{nu}\,+\,g\,x_{-})} - \frac{0.5\,g\,T\,\left(\frac{nu\,\,(\text{muz}\,\pm\,g\,x_{-})}{K\,\,(\text{muz}\,+\,\text{nu}\,\pm\,g\,x_{-})}\right)^{0.5}\,\sinh\left[\frac{0.5\,x_{-}}{K\,\,(\text{muz}\,+\,\text{nu}\,\pm\,g\,x_{-})^{2}}\right]}}{c\,\cosh\left[\frac{0.5\,g\,T\,\left(\frac{R\,nu\,\,(\text{muz}\,\pm\,g\,x_{-})}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})}\right)^{0.5}\,\left(\text{muz}\,+\,\text{nu}\,\pm\,g\,x_{-}\right)^{2}}\right]} \\ & \frac{0.25\,T\,\left(\frac{8\,nu\,\,(\text{muz}\,\pm\,g\,x_{-})}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})}\right)^{8.5}\,\left(\frac{nu\,\,(\text{muz}\,\pm\,g\,x_{-})}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})}\right)^{0.5}\,\left(\text{muz}\,+\,\text{nu}\,\pm\,g\,x_{-}\right)} \\ & \frac{0.5\,g\,T\,\left(\frac{0.5\,g\,x_{-}}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})}\right)^{8.5}\,\left(\frac{0.5\,g\,x_{-}}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})}\right)^{0.5}\,\left(\text{muz}\,+\,\text{nu}\,\pm\,g\,x_{-}\right)} \\ & \frac{0.5\,g\,x_{-}}{K\,\,(\text{muz}\,\pm\,nu\,\pm\,g\,x_{-})} \\ & \frac{0.5\,g\,x_{-}}{K\,\,(\text{muz}\,\pm$$

 $cosh\left[\left.\frac{\text{0.5 L}}{\left(\frac{\text{nu (muz+g x}_{-})}{\text{K (muz+nu+g x}_{-})}}\right)^{\text{0.5}}}\right] \; \left(\frac{\text{nu (muz+g x}_{-})}{\text{K (muz+nu+g x}_{-})}\right)^{\text{0.5}} \; (\text{muz + nu + g x}_{-})$

$$\begin{aligned} & \theta.5 \, g \, T \left(= \frac{g \, nu \, (muz + g \, x_-)}{K \, (muz + nu + g \, x_-)} + \frac{g \, nu}{K \, (muz + nu + g \, x_-)} \right)^{\theta.5} \left(\frac{9.5 \, x_-}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \\ & cosh \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \left(\frac{nu \, (muz + g \, x_-)}{K \, (muz + nu + g \, x_-)} \right)^{\theta.5} \left(\frac{9.5 \, x_-}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \\ & cosh \left[\frac{\theta.5 \, L}{K \, (muz + nu + g \, x_-)^2} + \frac{g \, nu}{K \, (muz + nu + g \, x_-)} \right)^{1.5} \left(\frac{\theta.5 \, x_-}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & cosh \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right] \left(\frac{nu \, (muz + g \, x_-)}{K \, (muz + nu + g \, x_-)} \right)^{1.5} \left(\frac{g^2 \, nu}{K \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & sinh \left[\frac{\theta.5 \, x_-}{k \, (muz + nu + g \, x_-)} \right] \left(\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & cosh \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right)^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] \\ & \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] cosh' \left[\frac{\theta.5 \, L}{k \, (muz + nu + g \, x_-)} \right]^{\theta.5} \right] \\ & \left[\frac{\theta.5 \,$$

$$\begin{split} & sinh \left[\frac{0.5 \, x_{-}}{\left(\frac{m_1 \left(muz_1 \, x_1 \right)}{K \left(muz_1 \, mu_2 \, x_2 \right)} \right)^{0.5}} \right]^{0.5}} \right] cosh' \left[\frac{0.5 \, L}{\left(\frac{m_1 \left(muz_1 \, x_1 \right)}{K \left(muz_1 \, mu_2 \, x_2 \right)} \right)^{0.5}} \right]^{3}} \left(\frac{nu \left(muz_1 \, g \, x_1 \right)}{K \left(muz_1 \, mu_2 \, g \, x_2 \right)} \right)^{2.5}} \left(muz_1 \, mu_2 \, g \, x_2 \right) \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{3}} \left(\frac{nu \left(muz_1 \, g \, x_2 \right)}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right] \\ & - \left(\frac{0.5 \, X}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{3}} \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right) \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{3}} \right) \\ & - \left(\frac{0.5 \, X}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)}{K \left(muz_1 \, mu_1 \, g \, x_2 \right)} \right)^{0.5}} \right) \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{3}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \left(\frac{0.5 \, X}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(muz_1 \, mu_2 \, x_2 \, x_2 \right)} \right)^{0.5}} \right)^{0.5}} \right) \\ & - \left(\frac{0.5 \, L}{\left(\frac{mu}{K \left(m$$

$$\left[\begin{array}{c} \cosh \left[\frac{0.5 \, L}{\left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5}} \right]^2 \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{1.} \, (muz + nu + gx_-) \right] - \\ \left[\begin{array}{c} 0.3125 \, L^2 \, T \left(-\frac{g \, nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)^{0.5}} \right) + \frac{g \, nu}{K \, (muz + nu + gx_-)^{0.5}} \right] \\ \\ sinh \left[\begin{array}{c} 0.5 \, x_- \\ \frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)^{0.5}} \right]^2 \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{2.5} \, (muz + nu + gx_-) \\ \\ \left[\begin{array}{c} 0.5 \, L \\ \frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right]^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, T \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right]^{0.5} \left(\frac{0.5}{k \, (muz + nu + gx_-)} \right)^{0.5} - \frac{0.25 \, x_- \left(\frac{g \, nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{2.5} \, (muz + nu + gx_-)} {\left(\frac{mu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5}} \right)^{2} \\ \\ sinh'' \left[\begin{array}{c} 0.5 \, x_- \\ \frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \end{array} \right)^{0.5} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \end{array} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \end{array} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \end{array} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \, x_- \\ \left(\frac{nu \, (muz + gx_-)}{K \, (muz + nu + gx_-)} \right)^{0.5} \end{array} \right] \\ \\ \left[\begin{array}{c} 0.5 \,$$

$$\begin{aligned} & sinh \bigg[\frac{0.5x}{\frac{(mu \pmod{2} + gx)}{(K \pmod{2} + nu + gx)}} \bigg]^{0.5} \bigg] \ cosh' \bigg[\frac{0.5L}{\frac{(mu \pmod{2} + gx)}{(K \pmod{2} + nu + gx)}} \bigg]^{0.5} \bigg] \\ & \bigg[\bigg(\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx} \bigg)^{1} \cdot (muz + nu + gx)^{2} \cosh \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg]^{2} \bigg] - \\ & \bigg[\frac{0.6625 LT}{K \binom{-\frac{g}{mu} \pmod{2} + gx}{K \pmod{2} + nu + gx}} + \frac{gnu}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \bigg] \\ & sinh \bigg[\frac{0.5x}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \bigg] \\ & \bigg[\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \bigg] + \\ & \bigg[\frac{0.6625 L^{2}T}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg]^{2} \bigg] + \\ & \bigg[\frac{0.6625 L^{2}T}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg]^{2} \bigg] \\ & \bigg[\frac{0.5x}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \bigg] \bigg] \\ & \bigg[\frac{0.5x}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \cosh' \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \bigg] \\ & \bigg[\frac{0.5x}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \bigg] \bigg] \bigg[\bigg(\frac{0.5L}{K \pmod{2} + nu + gx} \bigg)^{0.5} \bigg] \bigg] \bigg] \bigg] \\ & \bigg[\frac{0.5T}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg)^{0.5} \bigg] \bigg] \bigg] \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg]^{0.5} \bigg] \bigg] \bigg] \\ & \bigg[\frac{0.5T}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg]^{0.5} \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg] \bigg] \bigg] \bigg[\frac{0.5x}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg]^{0.5} \bigg] \bigg] \\ & \bigg[\frac{0.5x}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg]^{0.5} \bigg[\frac{0.5L}{\frac{nu \pmod{2} + gx}{K \pmod{2} + nu + gx}} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg] \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg]} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg]} \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg] \bigg[\frac{0.5x}{K \pmod{2} \bigg[\frac{0.5x}{K \pmod{2} \bigg[\frac{0.5x}{K \pmod{2} \bigg]$$

$$\left[0.5T \left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5} \left(- \frac{0.25 \ x \left(\frac{2 \, g^2 \, nu \ (muz + gx)}{K \ (muz + nu + gx)} - \frac{2 \, g^2 \, nu}{K \ (muz + nu + gx)^2} \right)^{-1.5} - \frac{0.5 \left(- \frac{g \, nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5} \right)^{-1.5}}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{1.5}} \right]^{-1.5}$$

$$\frac{0.5 \left(- \frac{g \, nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{2} + \frac{g \, nu}{K \ (muz + nu + gx)}}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{-1.5}} \right)^{-1.5}$$

$$\sinh' \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \right] / \left((muz + nu + gx) \, \cosh \left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \right)^{-1.5}$$

$$\sinh' \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)^2} + \frac{g \, nu}{K \ (muz + nu + gx)} \right) \right] + \frac{g \, nu}{K \ (muz + nu + gx)} \right]^{-1.5}$$

$$\left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right] + \frac{g \, nu}{K \ (muz + nu + gx)}$$

$$\cosh' \left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \sinh' \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \right]$$

$$\cosh' \left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right]$$

$$\sinh \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \cosh' \left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right]$$

$$\sinh \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right] \cosh' \left[\frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right]$$

$$\left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right] - \frac{0.5 \, L}{\left(\frac{nu \ (muz + gx)}{K \ (muz + nu + gx)} \right)^{0.5}} \right]^{0.5} \right]$$

$$\sinh'' \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{M \ (muz + nu + gx)} \right)^{0.5}} \right] \right] / \left(\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{M \ (muz + nu + gx)} \right)^{0.5}} \right)^{0.5}} \right]$$

$$\sinh''' \left[\frac{0.5 \, x}{\left(\frac{nu \ (muz + gx)}{M \ (muz + nu + gx)} \right)^{0.5}} \right]$$