$$\begin{aligned} & \operatorname{sigma}[\mathbf{x}] = ((2*(\max + gx)* \operatorname{nu})/(K*(\max + \max + gx))) \wedge 0.5 \\ f[\mathbf{x}] = -(Tx/(2*(\min + \max + gx))) - \\ T \\ & (((2/(K* \operatorname{mu}))^{\circ} 0.5) *((\max + gx)^{\circ} 1.5/(\max + \operatorname{nu} + gx)^{\circ} 0.5) *) \\ & (((\sinh[x/\operatorname{sigma}[x]])/(\cosh[L/\operatorname{sigma}[x]]))/(2*(\max + \operatorname{nu} + gx)) \\ f'[\mathbf{x}] \\ & 1.41421 \left(\frac{\operatorname{minus} + gx}{\operatorname{Kinus} - \operatorname{max} + gx}\right)^{0.5} \\ & - \frac{Tx}{2(\max + \operatorname{nu} + gx)^{\circ}} \\ & 0.70107 \left(\frac{1}{\operatorname{cm}}\right)^{0.5} T(\max + gx)^{1.5} \sinh \left(\frac{0.201167}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{max}^{\circ}}\right)^{1.5}}\right) \\ & (((\operatorname{min} + \operatorname{nu} + gx)^{1.5} \operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{max}^{\circ}}\right)^{1.5}}\right) \\ & - \frac{T}{2(\max + \operatorname{nu} + gx)^{1.5}} \\ & ((\operatorname{min} + \operatorname{nu} + gx)^{1.5} \operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{max}^{\circ}}\right)^{1.5}}\right) \\ & - \frac{T}{2(\max + \operatorname{nu} + gx)^{1.5}} \\ & ((\operatorname{min} + \operatorname{nu} + gx)^{1.5} \operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{max}^{\circ}}\right)^{1.5}}\right) \\ & - \frac{T}{2(\max + \operatorname{nu} + gx)^{1.5}} \\ & (\operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{nu}^{\circ}}\right)^{1.5}}\right) \\ & (\operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{Kinus} + \operatorname{nu}^{\circ}}\right)^{1.5}}}{\left(\operatorname{Kinus} - \operatorname{nu}^{\circ}\right)^{1.5}}\right) \\ & (\operatorname{cosh} \left(\frac{0.20127}{\left(\frac{\operatorname{Kinus} - \operatorname{nu}^{\circ}}{\operatorname{$$

 $\frac{1}{\left(\frac{0.707107L}{\frac{\text{nu}(\text{muz}+gx.)}{K(\text{muz}+\text{nu}+gx.)}}\right)^{0.5}}\right] (\text{muz}+\text{nu}+gx.)^{2.5}$

$$0.53033g^2(\frac{1}{Knm})^{0.5}T \sinh\left[\frac{0.707107_K}{(Knmuz+nu+yz_s)^{0.5}}\right] \\ \cosh\left[\frac{0.707107_K}{(Knmuz+nu+yz_s)^{0.5}}\right] (mux+gx_s)^{0.5}(mux+nu+gx_s)^{1.5} \\ \left(0.25L\left(\frac{1}{Knu}\right)^{0.5}T(muz+gx_s)^{0.5}(mux+uu+gx_s)^{2.5} + \frac{2g^2nu}{K(muz+nu+gx_s)^2}\right) \sinh\left[\frac{0.707107_K}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right] / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right) / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right) / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right) / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right) / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right] / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\left(\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\cosh'\right) / \left(\cosh\left[\frac{0.707107_L}{(K(muz+nu+gx_s)^{0.5})}\sinh'\right] / \left(\cosh\left[\frac{0.707$$