



$$G(\mathbf{x}) = \frac{1}{4\pi} \ln\left(\frac{r_b + L + \boldsymbol{\tau} \cdot (\mathbf{a} - \mathbf{x})}{r_a + \boldsymbol{\tau} \cdot (\mathbf{a} - \mathbf{x})}\right)$$

$r_a + \boldsymbol{\tau} \cdot (\mathbf{a} - \mathbf{x}) = 0$ if \mathbf{x} falls within the horizontal line of the line source