

Estude convergência M. Newton p/

$$2x \operatorname{sen}(x) = 0$$

$$x_{k+1} = x - \frac{2x \operatorname{sen}(x)}{2(\operatorname{sen}(x) + x \cos(x))} = x - \frac{x \operatorname{sen}(x)}{\operatorname{sen}(x) + x \cos(x)}$$

$$\psi'(x) = \frac{-x \operatorname{sen}(x)(x \operatorname{sen}(x) - 2 \cos(x))}{(\operatorname{sen}(x) + x \cos(x))^2}$$

