

Secant Method

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secant_method.m is designed for finding a numerical solution to $f(x) = 0$ (f is defined below) by using secant method.

$$f(x) = x - \frac{\sin(x)}{10} - 0.85$$

Initial values for secant method are 0 and π . I also set the tolerance to 10^{-14} .

Initial values and tolerance are subject to change.

Also, one can change f function which is defined at the end of the file.