**Title (60 characters with spaces):**

Secant Method (secant\_method)

**Summary (140 characters with spaces):**

Calculates the root of a univariate function using the secant method.

**Description:**

See <https://github.com/tamaskis/secant_method-MATLAB> or “DOCUMENTATION.pdf” for additional documentation and examples. Examples can also be found in “EXAMPLES.m”.

The "secant\_method" function finds the root of a univariate function using the secant method, given an initial guess. The tolerance and maximum number of iterations can also be specified as optional inputs. This function is not intended to replace MATLAB's "fzero", which uses a combination of bisection, secant, and inverse quadratic interpolation methods.

**Tags:**

function, numerical analysis, root, secant method

**MATLAB Release Compatibility:**

Created With: R2020b

Compatible With: any to any

**Platform Compatibility:**

Windows

macOS

Linux