

G_ne_big: A Single-layer, Steady-state, Analytic Element-based, Object-oriented Groundwater Modeling Framework Using Python 3.6

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1 Introduction

A Code Naming Conventions

The following is extracted from “PEP 8 – Style Guide for Python Code”.

function names Function names should be lowercase, with words separated by underscores as necessary to improve readability.

instance variables Use the function naming rules: lowercase with words separated by underscores as necessary to improve readability.

method names Use the function naming rules: lowercase with words separated by underscores as necessary to improve readability.

class names Class names should normally use the **CapWords** (aka **UpperCamelCase**) convention.

package names Python packages should also have short, all-lowercase names, although the use of underscores is discouraged.

module names Modules should have short, all-lowercase names. Underscores can be used in the module name if it improves readability.

exception names Because exceptions should be classes, the class naming convention applies here. However, you should use the suffix “Error” on your exception names (if the exception actually is an error).

constants Constants are usually defined on a module level and written in all capital letters with underscores separating words. Examples include **MAX_OVERFLOW** and **TOTAL**.

function arguments Always use **self** for the first argument to instance methods.

method arguments Always use **cls** for the first argument to class methods.