**CONSTANTS**

Mathematical constants are any well-defined real number. These constant values are used in a whole lot of formulas and equations. It’s important to know each constant and how it can be applied. Both the popularly known basic mathematical packages provide constant values, a few of which are explained in a detailed manner below.

Few functions of constants:

**math.pi** - returns the mathematical constant π = 3.141592.

**math.e** - returns the mathematical constant e = 2.718281.

**math.tau** - returns the mathematical constant τ = 6.283185. Tau is a circle constant equals the value 2π, the ratio of a circle’s circumference to its radius.

**math.inf** - returns a floating-point positive infinity. Equivalent to the output of float('inf').

**math.nan** - returns a floating-point “not a number” (NaN) value. Equivalent to the output of float('nan').

**numpy.PZERO** - returns a positive zero [0.0].

**numpy.NZERO** - returns a negative zero [-0,0]