

Exponential.

Exponential functions are functions of the base of natural logarithms e .

Exponential Growth shows the steep rise if the basic function $f(x) = \exp(x)$.

Exponential Decay shows the way a value decays asymptotically towards zero from a starting value. Both of these occur in almost every aspect of engineering and physics.

Catenary or hyperbolic cosine is an exponential function which describes the shape of a string or chain suspended between two supports, for example a suspension bridge.

Hyperbolic sine (\sinh) is an exponential function similar to its trigonometric counterpart.