root mean square

In statistics and its applications, the **root mean square** (abbreviated RMS or rms) is defined as the square root of the mean square (the arithmetic mean of the squares of a set of numbers). The RMS is also known as the quadratic mean and is a particular case of the generalized mean with exponent 2. RMS can also be defined for a continuously varying function in terms of an integral of the squares of the instantaneous values during a cycle.

For a cyclically alternating electric current, RMS is equal to the value of the direct current that would produce the same average power dissipation in a resistive load. Wikipedia, root mean square

See Also

Cube Root Figure 13.20a - Hurricane Polarities - Polarization and Differentiation at root of Rotation Golden Mean Inverse Square Law Locked Potentials and the Square Law meaning root Square Square Law square root Table 11.03 - Roots Powers of Two and Indig Numbers 12.04 - Locked Potentials and the Square Law