doi:10.1351/goldbook.R05144

rate of change of a quantity

The time derivative $\frac{\mathrm{d}Q}{\mathrm{d}t}$ of the value of the quantity. The differential quotient may also be called derivative (or instantaneous) rate of change. Examples are: rate of change of mass, $\frac{\mathrm{d}m}{\mathrm{d}t}$; rate of change of amount of substance, $\frac{\mathrm{d}n}{\mathrm{d}t}$.

Source:
PAC, 1992, *64*, 1569 *(Quantities and units for metabolic processes as a function of time (IUPAC Recommendations 1992))* on page 1572

 Copyright © 2014 IUPAC