**change ratio of a quantity**

A term which may be expressed infinitesimally at time \( t \) by a ratio of differentials \( \frac{dQ_1(t)}{dQ_2(t)} \) where the kind of quantities are the same but for different components in the same system. In practice, the ratio for a finite interval is:

\[
\frac{\Delta Q_1(t_1, t_2)}{\Delta Q_2(t_1, t_2)}
\]

Examples are: mass change ratio, \( \frac{dm_1(t)}{dm_2(t)} \); amount of substance change ratio, \( \frac{dn_1(t)}{dn_2(t)} \).

**Source:**

PAC, 1992, 64, 1569 (Quantities and units for metabolic processes as a function of time (IUPAC Recommendations 1992)) on page 1571