

**extent of reaction,  $\xi$** 

Extensive quantity describing the progress of a chemical reaction equal to the number of chemical transformations, as indicated by the reaction equation on a molecular scale, divided by the Avogadro constant (it is essentially the *amount* of chemical transformations). The change in the extent of reaction is given by  $d\xi = dn_B/\nu_B$ , where  $\nu_B$  is the *stoichiometric number* of any reaction entity B (reactant or product) and  $dn_B$  is the corresponding amount.

G.B. 43; 1996, 68, 165; 1996, 68, 973; 1992, 64, 1572; 1993, 65, 2295