

**ionic strength,  $I$** 

On a molality basis,

$$I_m = \frac{1}{2} \sum m_B z_B^2$$

where the sum goes over all the ions B.  $z_B$  is the charge number of ion B. The ionic strength on a concentration basis is defined analogously

$$I_c = \frac{1}{2} \sum c_B z_B^2.$$

**Source:**

Green Book, 2nd ed., p. 50

PAC, 1996, 68, 957 (*Glossary of terms in quantities and units in Clinical Chemistry (IUPAC-IFCC Recommendations 1996)*) on page 977