

**medium effect**

The medium effect on ionic species B due to transfer from solvent S<sub>1</sub> to solvent S<sub>2</sub> (number) is defined by

$$RT \ln \gamma_{S_1}^{S_2}(\text{B}) = \mu_{\text{B}}^{\circ, S_2} - \mu_{\text{B}}^{\circ, S_1}$$

where  $R$  is the gas constant,  $T$  is the thermodynamic temperature and  $\mu_{\text{B}}^{\circ, S_i}$  is the standard *chemical potential* of B in solvent S<sub>*i*</sub> (where  $i = 1$  or 2), the reference states being the same in both solvents.  $\gamma_{S_1}^{S_2}(\text{B})$  is not an exactly measurable quantity.

1974, 37, 508