

# Download Electrolyte Solutions Robinson Stokes

Classic text deals primarily with measurement, interpretation of conductance, chemical potential, and diffusion in electrolyte solutions. Detailed theoretical interpretations, plus extensive tables of thermodynamic and transport properties. Properties of ionizing solvents, limiting mobilities of ions, measurement of chemical potentials and ...In plasmas and electrolytes, the Debye length (also called Debye radius), named after Peter Debye, is a measure of a charge carrier's net electrostatic effect in solution and how far its electrostatic effect persists. We thus consider the dissociation of a salt molecule into  $n$  particles, e.g.,  $n_1$  cations plus  $n_2$  anions. The mole fraction of the ions is determined as follows as a function of the number of moles ( $n$ ) of the components for a one-salt solution. Electroosmotic flow (or electro-osmotic flow, often abbreviated EOF; synonymous with electroosmosis or electroendosmosis) is the motion of liquid induced by an applied potential across a porous material, capillary tube, membrane, microchannel, or any other fluid conduit.