Colligative properties of solution of electrolyte Some solutes which associate or dissociate in the solvent and yield abnormal results. In order to account for all abnormal cases, vant Hoff fretor (i) is used. Now, i= No. of moles after dissociation/association No. of moles initially present Explodligative property) Theoretical (colligative property) 0 For association of solute; Consider the association of a solute A into its associated form (A), according to the senetion $nA = (A)_n$ vonere nis the number of molecules of Solute, which combine to form an associated species.  $nA = (A)_n$ At initially Conolessis moles: C-ca · Total modes at equilibrium = C-CX + cx = C(1-x+ 3)