

- J — molar flux with respect to fixed co-ordinate system, mole/cm²/sec
 r — radius of solute molecule, cm eq. (9)
 S — moles of diffusing solute, mole/sec
 T — absolute temperature, °K
 t — time of diffusion, sec
 v_1, v_2 — volumes of Chambers 1 and 2 respectively of the diffusion cell
 V — molar volume (Kopp's law values by LeBas Method), cm³/mole
 Z — distance in the direction of diffusion, cm
 β — cell constant
 γ° — activity coefficient at infinite dilution
 Δ — difference
 μ — viscosity, centi poise

Subscripts

- 1, 2 — of compartments 1 and 2 respectively
 A, B — of diffusing solute and solvent respectively
 AB — of solute in solvent
 A_1, B_1 — solute and solvent monomers, respectively

- $A_1 B_1$ — simple complex of the monomer A_1 and monomer B_1

Superscripts

- $0, F$ — initial and final, respectively

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ANNOUNCEMENT

FIRST NATIONAL ENVIRONMENT CONGRESS

The First National Environment Congress will be held at the Indian Agricultural Research Institute, New Delhi from December 28 to 30, 1982. The focal theme for the congress will be the "State of Environment in India Today". The discussions will relate to what has happened since the Stockholm Conference on the Human Environment held in 1972 with regard to the protection and conservation of basic life support system. The Congress will be attended by a large number of participants from all parts of India.

Further particulars may be had from the Congress Secretary: Dr. Desh Bandhu, Secretary, IECA, School of Planning and Architecture, 1. P. Estate, New Delhi 110 002.