

NOMENCLATURE

A_{ij}	coefficients in Lindsay-Bromley equation
c_v	heat capacity at constant volume
D	self diffusivity
D_{ij}	mass diffusivity
k	thermal conductivity
k_B	Boltzman constant
k_{hs}	hard sphere contribution to conductivity
k_{ie}	contribution of internal energy to conductivity
k_r	eqn. (2)
k_r^1	clustering contribution to conductivity
m	mass of molecule
M_i	molecular weight of component i
N	number of data points
n	order of equation
n_1	concentration of monomer
n_2	concentration of dimer
q	heat dissipated by cell heater
$r_{pT}^{(0)}$	heat of dissociation reaction
r_i	radius of emitter surface
r_o	radius of receiver surface
S	standard error of estimate
S_i	Sutherland constants
S_{12}	Sutherland constant
T	temperature