

vaporization experiments in forced convection with the Sirignano model, *Experimental Thermal and Fluid Science*, Vol. 18, No. 4, pp. 282-290. DOI: [10.1016/S0894-1777\(98\)10035-3](https://doi.org/10.1016/S0894-1777(98)10035-3)

Pr Prandtl number
 r Droplet radius
 U Velocity
 x Molar fraction
 Y Mass fraction

NOMENCLATURE

BM Spalding mass transfer number
 C Specific heat capacity
 D Droplet diameter
 Dm Diffusion coefficient
 k Thermal conductivity
 M Molar mass
 Le Lewis number
 Nu Nusselt number
 P pressure

Greek symbols

Viscosity
 Density

Subscripts

s Surface
 ∞ Infinite
 sat Saturated
 0 Initial value