



















































| defining equatio | ns for the | |
|---|--|---|
| ss-transfer coefficients: | | |
| Table 29.1 Individual | nass-transfer coefficients | |
| | Gas film | |
| Driving force Partial pressure (p_A) Concentration (c_A) Mole fraction (y_A) | Flux equation $N_A = k_G (p_A - p_{A,i})$ $N_A = k_c (c_{AG} - c_{AG,i})$ $N_A = k_y (y_A - y_{A,i})$ | Units of k kgmole/m ² · s · atm kgmole/(m ² · s · (kgmole/m ²)) or m kgmole/m ² · s |
| | Liquid film | |
| Concentration (c_{AL}) Mole fraction (x_A) | $N_A = k_L (c_{AL,i} - c_{AL})$ $N_A = k_x (x_{A,i} - x_A)$ | kgmole/(m ² · s · (kgmole/m ³)) or m/ kgmole/m ² · s |











