Analysis Of Interfacial Mass Transfer Rate In Microchannels

<u>Ken-Ichiro Sotowa</u>[†] Tokushima University (dhlee@skku.edu[†])

A numerical technique to express the mass transfer rate at a moving interface was developed and exploited to study the gas absorption behavior under slug flow conditions. The results elucidated the fluid motion and mass transfer characteristics in each slug. The validity of the technique was examined by using experimental data on gas absorption rate.