

EXPERIMENTAL DETERMINATION OF DIFFUSION COEFFICIENTS IN LIQUID MIXTURES IN A LABORATORY OF TRANSPORT PHENOMENA

ANTONIO VALIENTE BARDERAS

Departamento De Ingeniería Química. Facultad De Química. Universidad Nacional Autónoma
De México. UNAM. México City

ABSTRACT

The diffusion coefficient is a variable present in the operations of mass transfer, since it is part of many correlations. For this reason it is necessary to know its value or to determine it through experiments. This article presents a diffusion cell that has been used by students of Chemical Engineering in the laboratory of Transport Phenomena in the Faculty of Chemistry at the Universidad Nacional Autónoma de México (UNAM).

KEYWORDS: Coefficient of Diffusion, Experimental Determination, Transport Phenomena