

separation process principles seader pdf

RESEARCH REPORT VTT-R-06143-15 2 (68) Preface This report has been written in the own founded project ChemSep - Rapid process design method for (bio)chemicals separation during autumn 2015. The main focus in this project

Design and selection of separation processes - vtt.fi

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Distillation is the process of separating the components or substances from a liquid mixture by using selective boiling and condensation. Distillation may result in essentially complete separation (nearly pure components), or it may be a partial separation that increases the concentration of selected components in the mixture.

Distillation - Wikipedia

In engineering, the mass transfer coefficient is a diffusion rate constant that relates the mass transfer rate, mass transfer area, and concentration change as driving force: $N = K_c A (C^* - C)$ Where: K_c is the mass transfer coefficient [$\text{mol}/(\text{s}\cdot\text{m}^2)/(\text{mol}/\text{m}^3)$], or m/s N is the mass transfer rate [mol/s] A is the effective mass transfer area [m^2]; $C^* - C$ is the driving force concentration difference [mol/m^3].

Mass transfer coefficient - Wikipedia

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