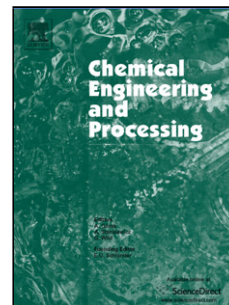


Accepted Manuscript

Title: Novel method for mapping the applicability of reactive distillation

Authors: Rahma Muthia, Arjan G.T. Reijneveld, Aloijsius G.J. van der Ham, Antoon J.B. ten Kate, Gerrald Bargeman, Sascha R.A. Kersten, Anton A. Kiss



PII: S0255-2701(18)30014-X
DOI: <https://doi.org/10.1016/j.cep.2018.04.001>
Reference: CEP 7243

To appear in: *Chemical Engineering and Processing*

Received date: 5-1-2018
Revised date: 14-3-2018
Accepted date: 1-4-2018

Please cite this article as: Muthia R, Reijneveld AGT, van der Ham AGJ, ten Kate AJB, Bargeman G, Kersten SRA, Kiss AA, Novel method for mapping the applicability of reactive distillation, *Chemical Engineering and Processing - Process Intensification* (2018), <https://doi.org/10.1016/j.cep.2018.04.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Novel method for mapping the applicability of reactive distillation

Rahma Muthia,¹ Arjan G. T. Reijneveld,¹ Aloijsius G. J. van der Ham,¹ Antoon J. B. ten Kate,² Gerrald Bargeman,² Sascha R.A. Kersten,¹ Anton A. Kiss^{1,3*}

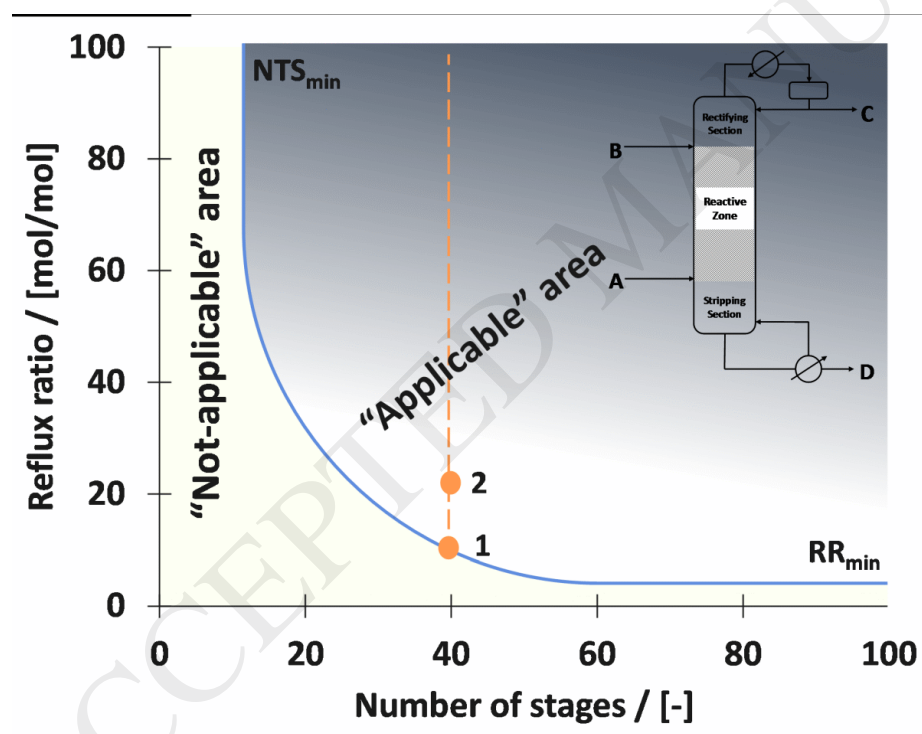
¹ Sustainable Process Technology Group, Faculty of Science and Technology, University of Twente, PO Box 217, 7500 AE Enschede, The Netherlands

² AkzoNobel Research, Development & Innovation, SRG Process Technology, Zutphenseweg 10, 7418 AJ Deventer, The Netherlands

³ School of Chemical Engineering and Analytical Science, The University of Manchester, Sackville Street, Manchester, M13 9PL, United Kingdom

* Corresponding author: TonyKiss@gmail.com, Tel: +44 161 306 8759

Graphical abstract



Highlights

- Novel method for the quick assessment of reactive distillation applicability
- Insights into the RD design and applicability to reversible quaternary systems
- Effective validation and application to case studies such as esterifications

Abstract

Download English Version:

<https://daneshyari.com/en/article/7088680>

Download Persian Version:

<https://daneshyari.com/article/7088680>

[Daneshyari.com](https://daneshyari.com)