

Correction

# Correction: Ränger, L.-M., et al. Robust Initialization of Rigorous Process Simulations of Multiple Dividing Wall Columns via Vmin Diagrams. *ChemEngineering* 2018, 2, 25

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## Equation Correction

There was an error in the original article [1]. The expression  $(1-q) \cdot F$  was positioned at a wrong location in Sections 4.2 and 4.3. Note that this expression usually cancels out for a liquid boiling feed stream. It is only important in the case of a different feed state. A correction was made to Equations (19), (21), (22) and (23) and to Figure 8.

$$V_{min,BC} = V^{T,C21} - V^{B,C21} = \sum_{i=1}^n \frac{\alpha_i \cdot z_i \cdot F}{\alpha_i - \theta'_A} \cdot r_i^{T,C1} = \frac{\alpha_A \cdot F \cdot z_A \cdot r_A^{T,C1}}{\alpha_A - \theta'_A} + \frac{\alpha_B \cdot F \cdot z_B \cdot r_B^{T,C1}}{\alpha_B - \theta'_A} \quad (19)$$



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$$\begin{aligned} -V_{min,BC} + (1-q) \cdot F &= V^{T,C22} - V^{B,C22} = \sum_{i=1}^n \frac{\alpha_i \cdot z_i \cdot F}{\alpha_i - \theta'_C} \cdot r_i^{B,C1} \\ &= \frac{\alpha_C \cdot F \cdot z_C \cdot (1 - r_C^{T,C1})}{\alpha_C - \theta'_C} + \frac{\alpha_D \cdot F \cdot z_D \cdot (1 - r_D^{T,C1})}{\alpha_D - \theta'_C} \end{aligned} \quad (21)$$

$$\begin{aligned} V_{min,CD'} &= V^{B,C22} + (1-q) \cdot F = V^{T,C22} + V_{min,BC} - (1-q) \cdot F + (1-q) \cdot F \\ &= \frac{\alpha_C \cdot F \cdot z_C \cdot r_C^{T,C22}}{\alpha_C - \theta'_C} + V_{min,BC} \end{aligned} \quad (22)$$

$$V^{T,C1} = \frac{\alpha_A \cdot F \cdot z_A \cdot r_A^{T,C1}}{\alpha_A - \Phi^{C1}} + \frac{\alpha_B \cdot F \cdot z_B \cdot r_B^{T,C1}}{\alpha_B - \Phi^{C1}} = V_{min,BC} \quad (23)$$

In addition, in Figure 8, a modification had to be made (see Figure 1).

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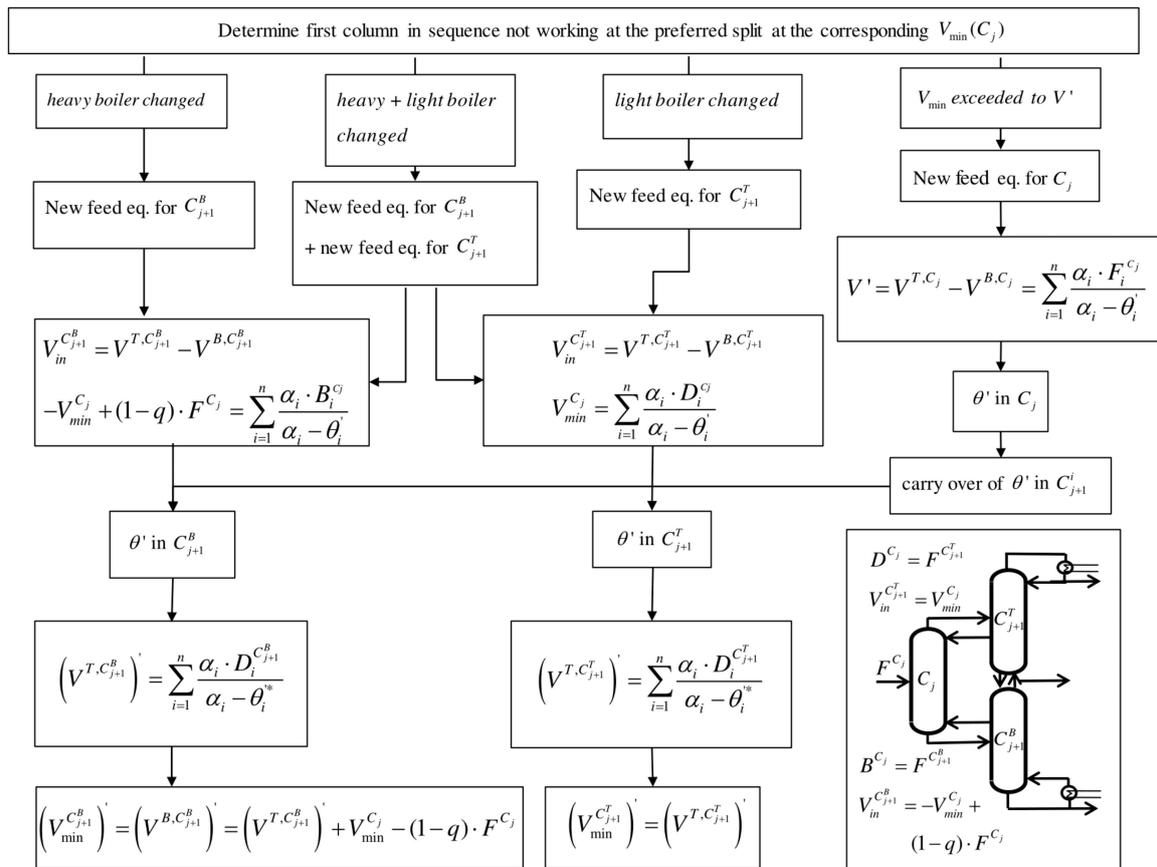


Figure 1. Updated version of Figure 8.

The authors apologize for any inconvenience caused and state that the scientific conclusions are unaffected. The original article has been updated.

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## Reference

- Ranger, L.-M.; Preiinger, U.; Grutzner, T. Robust Initialization of Rigorous Process Simulations of Multiple Dividing Wall Columns via  $V_{\min}$  Diagrams. *ChemEngineering* **2018**, *2*, 25. [[CrossRef](#)]