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Title: A Generalized Approach for the Conceptual Design of Distillation Columns with Complex Configurations

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1 Highlights

- 2 • A generalized approach for the design of complex distillation columns is proposed.
- 3 • Reliable design algorithms of complex columns for ideal mixtures were developed.
- 4 • Separation geometries of different complex distillation columns were established.
- 5 • The geometric properties of complex distillation columns were examined.
- 6 • Approximate design of complex columns separating azeotropic mixtures was
- 7 obtained.
- 8
- 9

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