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Optimal Operation of Parallel Distillation Systems with Multiple Product Grades: An Industrial Case Study

Yingyan Luo, Qi Zhang, Lingyu Zhu, Xi Chen

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Highlights

- Optimized operation of a parallel distillation system with purity specifications
- Derived surrogate models from rigorous models for distillation columns
- Formulated an MILP scheduling model for multiproduct distillation systems
- Applied framework to a real-world industrial fine chemical production system

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