Accepted Manuscript

Reactive Scheduling of Crude Oil using Structure Adapted Genetic Algorithm under Multiple Uncertainties

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PII: S0098-1354(18)30258-8
DOI: 10.1016/j.compchemeng.2018.04.005
Reference: CACE 6073

To appear in: *Computers and Chemical Engineering*

Received date: 4 December 2017
Revised date: 3 March 2018
Accepted date: 2 April 2018

Please cite this article as: Debashish Panda , Manojkumar Ramteke , Reactive Scheduling of Crude Oil using Structure Adapted Genetic Algorithm under Multiple Uncertainties, *Computers and Chemical Engineering* (2018), doi: 10.1016/j.compchemeng.2018.04.005

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HIGHLIGHTS

- A reactive crude oil scheduling method for marine access refinery is developed
- Dynamic uncertainties of VLCC delay and demand increase are incorporated
- Three large-scale crude oil scheduling examples are solved
- Multi-objective optimization is used for better operability of the plant

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