

# SCALE REMOVAL FROM HEAT-EXCHANGERS - USING ENERGY-UTILIZATION AS A SCHEDULE CRITERION

DUFFUAA, SO; BUDAIR, MO

ELSEVIER SCI LTD, APPLIED ENERGY; pp: 77-85; Vol: 47

King Fahd University of Petroleum & Minerals

<http://www.kfupm.edu.sa>

## Summary

A function which shows explicitly the utilization of energy over time is provided. Using this function and a specified level of energy utilization, a schedule for scale removal is deduced. The methodology is applied to obtain a schedule for a brine heat-exchanger in a desalination plant.

## References:

1. APSTEIN N, 1979, CAN J CHEM ENG, V57, P653
2. EPSTEIN N, 1979, CAN J CHEM ENG, V57, P659
3. HASSON D, 1968, IND ENG CHEM FUND, V7, P59
4. MA RST, 1981, CAN J CHEM ENG, V59, P631
5. SCHMIDSCHONBEIN KJ, 1977, DESALINATION, V231, P99
6. SOMERSCALES EFC, 1987, APPLIED SCI SERIES, V143, P407

For pre-prints please write to: [abstracts@kfupm.edu.sa](mailto:abstracts@kfupm.edu.sa)