

COMPUTER PROGRAM

abstracts

Readers of the *A.I.Ch.E. Journal* who are interested in programming for machine computation of chemical engineering problems will find in each issue of *Chemical Engineering Progress* abstracts of programs submitted by companies in the chemical process industries. Collected by the Machine Computation Committee of the A.I.Ch.E., these programs will be published as manuals where sufficient interest is indicated. The following abstracts have appeared:

CEP (May, 1959), p. 94

Line Sizing*
Shell and Tube Heat Exchanger Rating
Orifice Design
Flange Design

* Manual available.

CEP (June, 1959), p. 134

Turner Method
Bubble Cap Tray Design (Two Programs)
Regression Analysis
Piping Flexibility

CEP (July, 1959), p. 90

Non-linear Estimation (016)
Humble Plate-to-Plate Distillation Procedure for Conventional and Complex Columns (017)
Liquid-Liquid Heat Exchanger Design (018)
Multicomponent Distillation (020)

CEP (August, 1959), p. 78

Specific Impulse Calculations (019)
Generalized Flash Sub-Program (021)
Curve Fitting (022)
Mass Spectrometer Calculations (023)

CEP (September, 1959), p. 86

Circuit Shaft Speeds (005)
Box Cooler (007)
Curve Plotting Routine (013)
Response Surface Evaluation (025)

CEP (October, 1959), p. 90

Resistance Temperature Tables (024)
Solution of the Brunauer, Emmett and Teller Multimolecular Adsorption Equation (027)
TRAP—Tape Regression Analysis Program (IBM 650—Tape); RAPA—Regression Analysis Program (Augmented IBM 650); RAP—Regression Analysis Program (Basic IBM 650) (028)

CEP (November, 1959), p. 92

Self Supporting Steel Stack (009)
Growth Curves (029)
Calculation of Tension in Span Adjacent to Broken Conductor (026)

CEP (December, 1959), p. 88

Flange Rating (031)
Pressure Drop in Piping Networks (030)
Minimum Reflux for Distillation by the Bachelor Method (032)