

# 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 this year:

CEP (May, 1960), p. 86

Flue Gas Enthalpy (011)  
Thermodynamic Functions of Polyatomic Gases (049)  
Numerical Solution for Certain Systems of Differential Equations (051)

CEP (June, 1960), p. 88

Liquid-Liquid Heat Exchanger Design (052)  
Automatic Computational Procedure for the Thermodynamic Correlation and Prediction of Vapor-Liquid Equilibria (055)  
Design of Isothermal Batch Chemical Reactors (058)

CEP (July, 1960), p. 80

Color Properties from Bausch and Lomb Spectronic 20 Colorimeter Data (036)  
Equilibrium Constants from the Benedict-Webb-Rubin Equation of State (044)  
Selective Curve Set (053)

CEP (August, 1960), p. 86

Polynomial Equation Fitting (033)  
Circulation of Zimm Plot for Determination of Polymer Molecular Weight from Light Scattering Data (046)  
Polymer Molecular Weight Distribution from Weight Average and Number Average Molecular Weights of Fractions (056)