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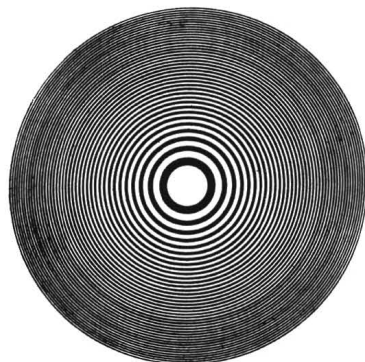
**INTRODUCTION TO FLUID MECHANICS** by Stephen Whitaker, University of California at Davis. Provides an exceptionally thorough treatment of the macroscopic (or integral) momentum and mechanical energy equations. February 1968, approx. 480 pp., \$12.00

**MATHEMATICAL METHODS IN CHEMICAL ENGINEERING: MATRICES AND THEIR APPLICATION** by Neal R. Amundson, University of Minnesota. Outlines the elementary theory of matrices discussing eigenvalue problems, Hamilton-Cayley's theorem, and systems of linear differential equations and algebraic equations. 1966, 270 pp., \$12.50

**FOUNDATIONS OF OPTIMIZATION**, by Douglass J. Wilde, Stanford University and

Charles S. Beightler, University of Texas. Covers both the direct and indirect optimization techniques; extends the new non-linear technique of geometric programming to functions with negative signs and reversed inequalities. 1967, 480 pp., \$12.95

**KINETICS OF CHEMICAL PROCESSES** by Michel Boudart, Stanford University. Explains the kinetic analysis of elementary steps, single reactions, and reaction networks for chemists interested in reactivity and chemical engineers interested in reactors. April 1968, approx. 220 pp., \$7.50



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