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AI Applied to Simulation E. J. H. Kerckhoffs, G. C. Vansteenkiste, Bernard P. Zeigler, 1986 *The Publishers' Trade List Annual*, 1969 **Books in Print Supplement**, 1979 *Solutions Manual* Katsuhiko Ogata, 2004 **System Dynamics** Katsuhiko Ogata, 1978 This text presents the basic theory and practice of system dynamics It introduces the modeling of dynamic systems and response analysis of these systems with an introduction to the analysis and design of control systems

KEY TOPICS Specific chapter topics include The Laplace Transform mechanical systems transfer function approach to modeling dynamic systems state space approach to modeling dynamic systems electrical systems and electro mechanical systems fluid systems and thermal systems time domain analyses of dynamic systems frequency domain analyses of dynamic systems time domain analyses of control systems and frequency domain analyses and design of control systems For mechanical and aerospace engineers

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