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Applied mathematics in chemical engineering by Harold S. Mickley, 1957, McGraw-Hill edition, in English - 2d ed.

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Yannis Kevrekidis, Bloomberg Distinguished Professor in the departments of Chemical and Biomolecular Engineering and Applied Mathematics and Statistics and in the School of Medicine’s Department of Urology, pioneered the approach known as “equation-free computation.”. Kevrekidis’ research interests have always centered around the dynamic behavior of physical, chemical, and biological processes; the types of instabilities they exhibit; the patterns they form; and their computational ...

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Applied Mathematics in Chemical Engineering. By T. K. Sherwood and C. F. Reed.

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MathematicsinChemicalEngineering
This is reflected in the curriculum of the Chemical Engineering Department, which includes the study of applied mathematics, material and energy balances, thermodynamics, fluid mechanics, energy and mass transfer, separations technologies, chemical reaction kinetics and reactor design, and process design.