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With its clear explanations, examples, and problem sets, Applied Mathematics and Modeling for Chemical Engineers has enabled thousands of chemical engineers to apply mathematical principles to successfully solve practical problems. The book introduces traditional techniques to solve ordinary differential equations as well as analytical methods to deal with important classes of finite-difference equations.

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Focusing on the application of mathematics to chemical engineering, Applied Mathematical Methods for Chemical Engineers addresses the setup and verification of mathematical models using experimental or other independently derived data. The book provides an introduction to differential equations common to chemical engineering, followed by examples of first-order and linear second-order ordinary differential equations.

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Applied Mathematics, Engineering, and Physics, B.S. AMEP ...

Engineering has many branches and math, for undergraduates, has at least two major branches: applied and pure. Applied math is the math engineers and scientists use: calculus, linear algebra, differential equations, etc. Applied math is about equations and numbers.

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