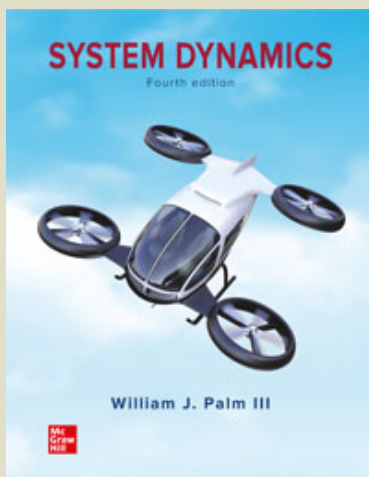


List of Changes



System Dynamics 4th Edition

William Palm III

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available in



connect®

The subject of system dynamics deals with mathematical modeling and analysis of devices and processes for the purpose of understanding their time-dependent behavior. It emphasizes applications containing multiple types of components and processes such as electromechanical devices, electrohydraulic devices, and fluid-thermal processes. Because systems of interconnected elements often require a control system to work properly, control system design is a major application area in system dynamics. *System Dynamics* covers these topics, has application case studies, more homework problems than other texts, and the strongest treatment of computational software and system simulation, with its early introduction of MATLAB® and Simulink®.

SEE LIST OF CHANGES ATTACHED.

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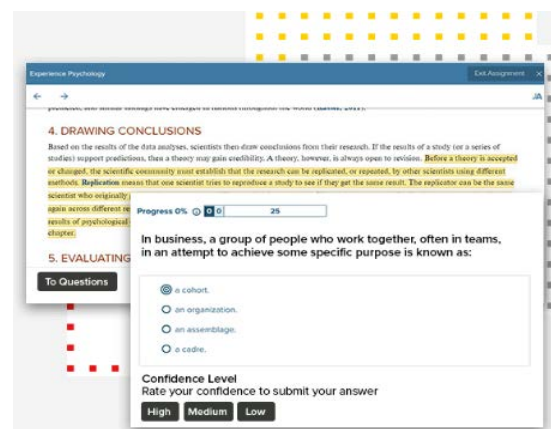
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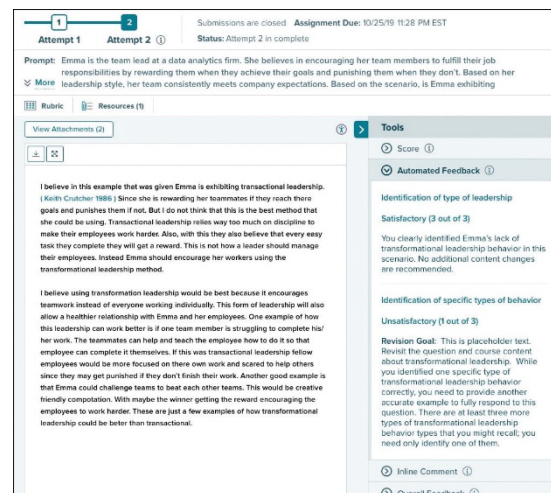
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Changes to Palm: System Dynamics, 4e

Key Changes:

- **Case studies throughout the text:** Provides students an appreciation for applications.
- **Simplified presentation of solution methods:** Gives students an easier introduction to differential equation methods.
- **New homework problems:** Offers instructors more variety for assignments.
- **Early introduction to MATLAB:** Enables earlier application of MATLAB.
- **Simplified introduction to frequency response methods:** Improves students' physical intuition and helps students become proficient in complex number algebra.



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