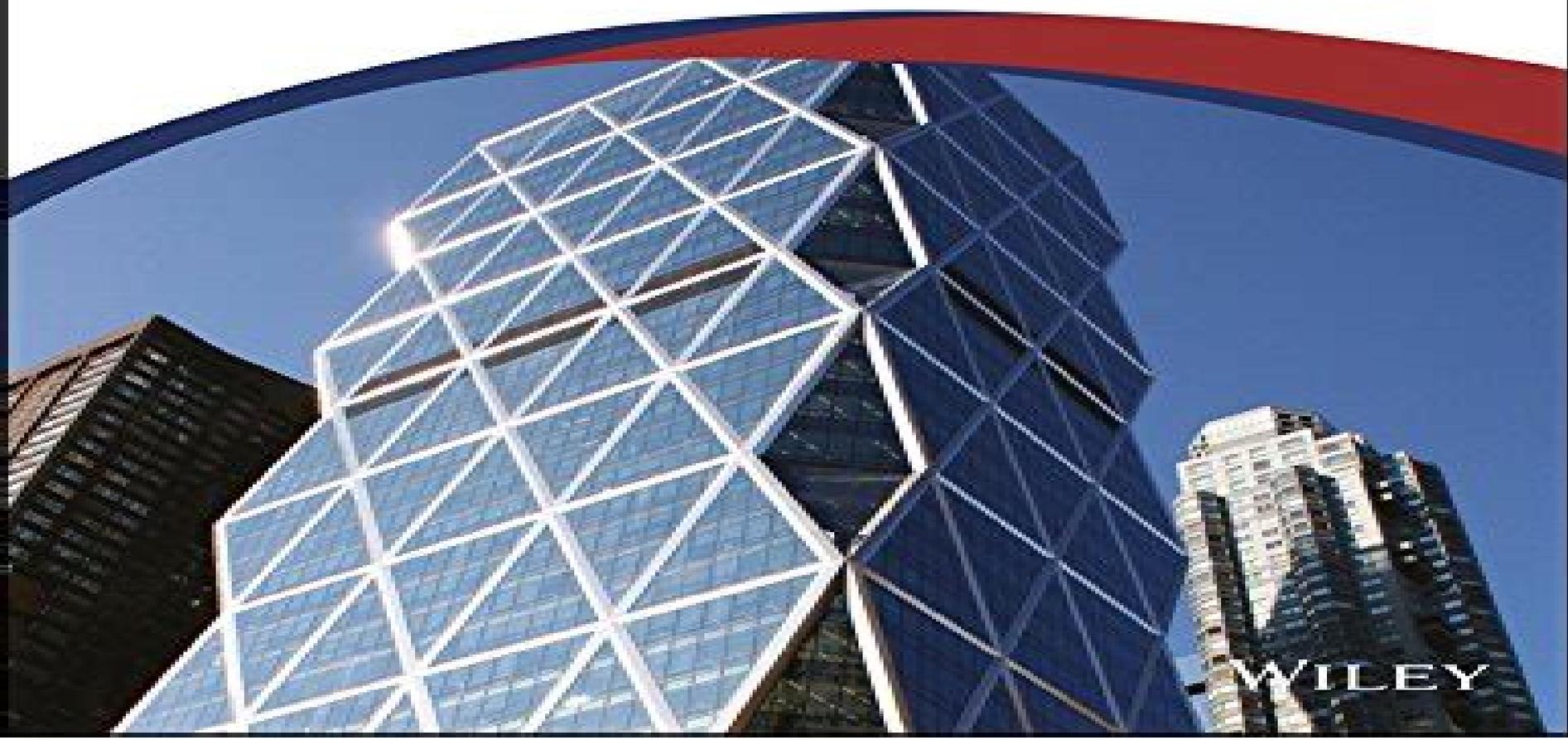# Erwin Kreyszig's
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they come to trying examples on their own confidence is high This textbook is ideal for undergraduates on upper level courses in all Engineering disciplines and Science   Advanced Engineering Mathematics Raymond N. Laoulache,John M. Rice,2015-03-02 Advanced Engineering Mathematics Applications Guide is a text that bridges the gap between formal and abstract mathematics and applied engineering in a meaningful way to aid and motivate engineering students in learning how advanced mathematics is of practical importance in engineering The strength of this guide lies in modeling applied engineering problems First order and second order ordinary differential equations ODEs are approached in a classical sense so that students understand the key parameters and their effect on system behavior The book is intended for undergraduates with a good working knowledge of calculus and linear algebra who are ready to use Computer Algebra Systems CAS to find solutions expeditiously This guide can be used as a stand alone for a course in Applied Engineering Mathematics as well as a complement to Kreyszig s Advanced Engineering Mathematics or any other standard text

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