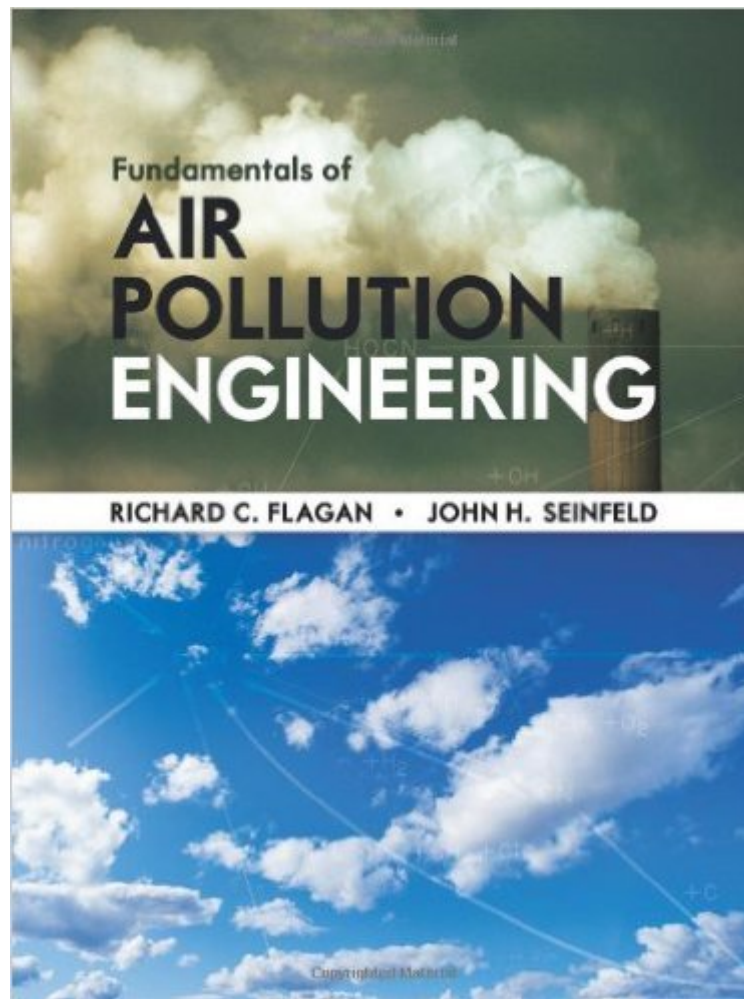


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A rigorous and thorough analysis of the production of air pollutants and their control, this text for engineering students focuses on the formation and control of pollutants in combustion processes. The authors introduce the concept of air pollution engineering, providing an in-depth treatment of combustion, the formation of particulate matter and other pollutants, the principles of aerosol behavior, and basic theories of the removal of particulate and gaseous pollutants from effluent streams. In conclusion, they provide a framework for an optimal air pollution control plan. Suitable for advanced undergraduate and graduate courses in chemical, civil, environmental, and mechanical engineering, this volume assumes a basic familiarity with thermodynamics, fluid mechanics, and heat transfer. Supplements include new appendices, abundant worked-out examples and end-of-chapter problems, and a solutions manual, available from the authors upon request.

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