



## Atmospheric Chemistry and Physics: From Air Pollution to Climate Change

By Department of Chemical Engineering John H Seinfeld, Spyros N Pandis

John Wiley Sons Inc, United States, 2006. Paperback. Book Condition: New. 2nd Revised edition. 252 x 178 mm. Language: English . Brand New Book. Thoroughly restructured and updated with new findings and new features The Second Edition of this internationally acclaimed text presents the latest developments in atmospheric science. It continues to be the premier text for both a rigorous and a complete treatment of the chemistry of the atmosphere, covering such pivotal topics as: Chemistry of the stratosphere and troposphere Formation, growth, dynamics, and properties of aerosols Meteorology of air pollution Transport, diffusion, and removal of species in the atmosphere Formation and chemistry of clouds Interaction of atmospheric chemistry and climate Radiative and climatic effects of gases and particles Formulation of mathematical chemical/transport models of the atmosphere All chapters develop results based on fundamental principles, enabling the reader to build a solid understanding of the science underlying atmospheric processes. Among the new material are three new chapters: Atmospheric Radiation and Photochemistry, General Circulation of the Atmosphere, and Global Cycles. In addition, the chapters Stratospheric Chemistry, Tropospheric Chemistry, and Organic Atmospheric Aerosols have been rewritten to reflect the latest findings. Readers familiar with the First Edition will discover a text...



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