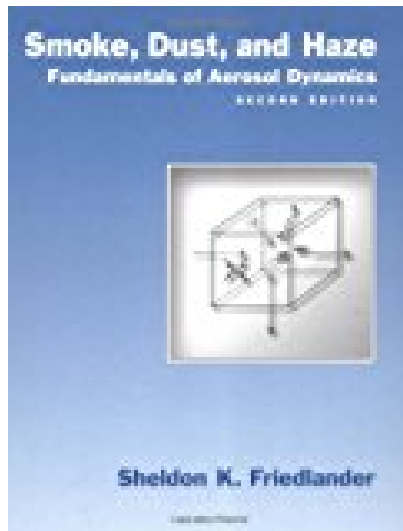


Smoke Dust and Haze Fundamentals of Aerosol Dynamics Topics in Chemical Engineering



BOOK DETAILS

- Author : Sheldon K. Friedlander
- Pages : 432 Pages
- Publisher : Oxford University Press
- Language : English
- ISBN : 0195129997

 [DOWNLOAD](#)

BOOK SYNOPSIS

Ideal for courses in aerosol science or particle technology, *Smoke, Dust, and Haze: Fundamentals of Aerosol Dynamics, 2/e*, is the only modern text that focuses on aerosol dynamics--the study of the factors that determine changes in the distribution of aerosol properties with respect to particle size. It covers fundamental concepts, experimental methods, and a wide variety of applications. Using the aerosol dynamics approach, the author integrates a broad range of topics including stochastic processes, aerosol transport theory, coagulation, formation of agglomerates, classical nucleation theory, and the synthesis of ultrafine solid particles. The book makes extensive use of scaling concepts and dimensional analysis and emphasizes physical and physicochemical interpretations. Basic concepts are illustrated by applications to many fields including air pollution control, the atmospheric sciences, microcontamination in the semiconductor industry, and the industrial manufacture of powders, pigments, additives, and nanoparticles. Revised and expanded, this second edition features new chapters on the kinetics of agglomeration of noncoalescing particles and the fundamentals of aerosol reactor design. It covers the effects of turbulence on coagulation and gas-t-particle conversion and also discusses the formation of primary particles by the collision-coalescence mechanism. The chapter on the atmospheric aerosol has been completely rewritten within the aerosol dynamics framework. Its basic approach and topicality make *Smoke, Dust, and Haze: Fundamentals of Aerosol Dynamics, 2/e*, an essential guide for both students and researchers.

SMOKE DUST AND HAZE FUNDAMENTALS OF AEROSOL DYNAMICS

TOPICS IN CHEMICAL ENGINEERING - Are you looking for Ebook Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering ? You will be glad to know that right now Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product. Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering . To get started finding Smoke Dust And Haze Fundamentals Of Aerosol Dynamics Topics In Chemical Engineering , you are right to find our website which has a comprehensive collection of manuals listed.