

Computer-Aided Applications in Pharmaceutical Technology

Delivery Systems, Dosage Forms, and Pharmaceutical Unit Operations

Computer-Aided Applications in Pharmaceutical Technology: Delivery Systems, Dosage Forms, and Pharmaceutical Unit Operations, Second Edition covers the fundamentals of experimental design application and interpretation in pharmaceutical technology, chemometric methods with an emphasis on their applications in process control, neural computing, data science, computer-aided biopharmaceutical characterization, as well as the application of computational fluid dynamics in pharmaceutical technology. Completely updated, the book introduces the theory and practice of computational tools through new case studies. Chapters cover Quality by Design in pharmaceutical development, overview data mining methodologies, present computer-aided formulation development, cover experimental design applications, and much more.

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