

#2204

Population Balance Equation (PBE)

SOLUTION OF PBES TO PREDICT PARTICLE SIZE (OR OTHER PROPERTY) DISTRIBUTIONS

DESCRIPTION

Modeling and simulation are recognized as valuable tools to design, improve and optimize processes handling particulate systems. We have expertise on solving population balance equations (PBEs) for different processes. The PBE allows to predict the evolution of particle size (among many other properties) distributions in a given process.

We offer you our capabilities in:

- Identification of particle size change mechanisms by data analysis
- Formulation of mathematical models based on mass, energy, momentum and population balances
- Simulation and optimization of processes that handle particles, such as granulators, crushers/mills, dryers, among others units

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