

# Parsival

## PARSIVAL

... is a general tool for the description and simulation of dispersed systems. Main applications are industrial crystallization, dispersion, granulation, particle reactions in two phases and general reaction-convection-diffusion systems. So PARSIVAL has proven to be a first choice for particle balance modeling.

Check out and download the PARSIVAL brochure.

All results are presented in online-graphs during simulation or optimization runs. Import and export of results and data in text files or via the COM-interface ensure the communication with other program packages.

### FEATURES:

- rigorous and modular treatment of particle size distributions in heterogeneous process units
- reaction step patterns for particle growth, nucleation, agglomeration, breakage, fine's dissolution, convection, diffusion, boundary conditions, kinetic reactions
- flow sheets with classified flow and exit
- parameter estimation including fit of full particle size distributions
- applications are
  - crystallization processes
  - dispersions
  - precipitation reactions
  - mill characteristics
  - aerosols
  - polymer particles
  - nanostructures
  - bio pellets