

List of symbols

Latin symbols

<i>symbol</i>	<i>meaning</i>	<i>unit</i>
A	cross section of crystallizer	m^2
B	mass matrix	
c	solute concentration in the liquid phase	mol/m^3
c_W	drag coefficient	
D	dispersion coefficient	m^2/s
f	right-hand sides of state equations	
g	gravity constant	m/s^2
G	particle growth rate	m/s
h	total height of crystallizer	m
h	right-hand sides of output equations	
i, j	grid indices	
L	characteristic particle size	m
n	number size density	$1/m/m^3$
$\dot{N}_{US,in/out}$	particle flow to/from the ultrasonic attenuator	$1/m/s$
p	parameter vector	
t	time	s
u	input vector	
v_F	fluid flow velocity	m/s
v_P	particle velocity	m/s
\dot{V}	volume flow	m^3/s
x	space coordinate	m
x	state vector	
y	output vector	

Greek symbols

ρ_F	fluid density	kg/m^3
ρ_P	particle density	kg/m^3