

Index

- acutance 172
- acutance modulation transfer 174
- aperture transmittance 153
- apparent dynamic contact angle 92

- batch reactor 29
- bending recovery 53, 58
- bending rigidity 56
- Bernoulli equation 124
- Bernoulli law 122
- Brownian dynamics 133, 134
- Brownian force 134
- Brownian motion 133

- characteristic curves 18
- coagulation coalescence 67
- coalescence 75
- coating configurations 99
- colloidal dispersion 21
- contact line 86
- contact point 86
- continuously stirred tank reactor 28
- critical micelle concentration 111
- crystal growth 12, 27
- crystal size distributions 27
- curtain coating 86, 109

- $D - \log E$ curve 173
- degree of coalescence 78
- development 161
- dye couplers 9
- dynamic contact angle 86, 92
- dynamic surface tension 110

- edge enhancement 170
- edge guides 110
- effective diffusion coefficient 165
- electron traps 143
- emulsion 9, 21
- Euler equation 91

- Flory's law 47

- Frumkin equation 114

- gelatin 9
- gelatin swelling 39
- gelation 45
- gelation time 45, 48
- Gibbs-Thomson relation 13
- graininess 11
- granularity 152, 154, 156

- Hele-Shaw equation 105
- homogenization 165
- Hooke's law 54

- inhibitor 162
- inverse problems 178

- Kelvin equation 21
- kinematic viscosity 90
- knife edge profile 170

- Langevin equation 135
- Langmuir isotherm 113
- latent image formation 143
- Lifshitz-Slyzov-Wagner model 24
- liquid curtain 120

- Marangoni stress 91
- Markov renewal process 147
- mass balance equation 101
- measuring DST 115
- micelles 111
- modulation transfer function 173
- momentum equation 90, 101
- Monte Carlo method 146

- Navier-Stokes equations 90, 101
- Newtonian coating flows 87
- Newtonian plateau 132
- no-slip condition 90

- Ostwald ripening 12
- oxidized developer 161

- parameter identification 176
- particle size distribution 30, 75
- partition coefficient 167
- Peclet number 137
- plug flow reactor 29
- polymeric base 53
- pressure 90

- reaction-diffusion system 161
- reduced developer 161
- relaxation modulus 57
- relaxation time 136
- Reynolds number 91

- shear rate 132
- shear thickening range 132
- shear thinning 131
- shear thinning range 132

- sidearm precipitator 28
- static contact angle 86
- stationary flows 91
- Stokesian dynamics 133
- streamline 90
- stress tensor 88
- supersaturation 12
- surfactants 66, 110

- total enhancement 174
- transmittance 152–154

- viscoelastic material 56
- viscosity 89
- viscosity divergence 132

- wetting line 86
- winding time 53