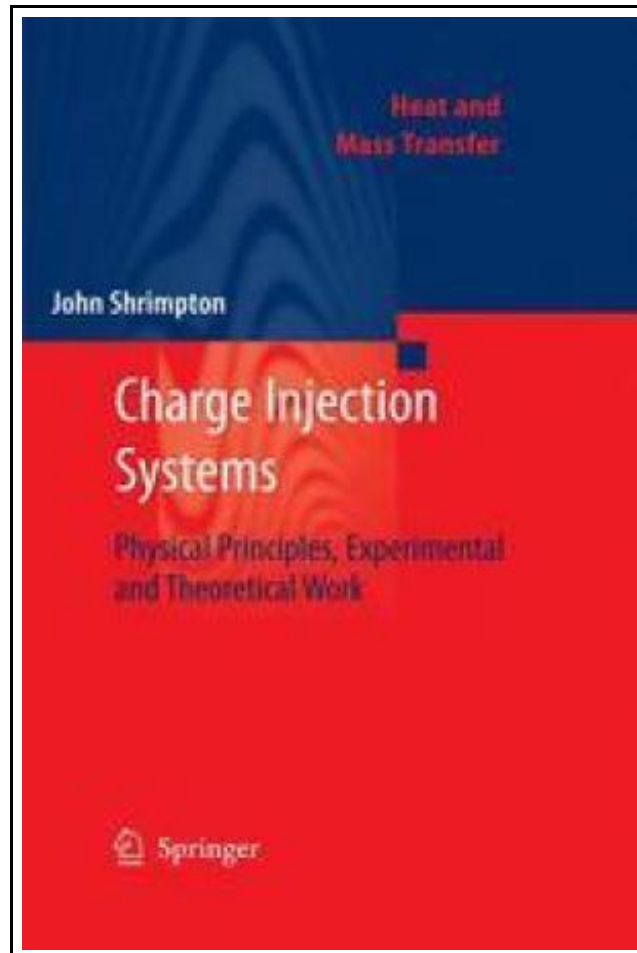


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Springer. Paperback. Book Condition: New. Paperback. 196 pages. Dimensions: 9.2in. x 6.1in. x 0.5in. C Specific heat at constant pressure  $p$  D Displacement field  $D$  Diffusion coefficient  $d$  D Orifice diameter  $E$  Electric field  $E$  Electron charge  $F$  Force  $G$  Acceleration due to gravity  $I$  Current  $J$  Current flux  $K$  Conductivity  $k$  Boltzmann constant  $B$  L Atomizer geometry: length from electrode tip to orifice plane  $i$  L Atomizer geometry : length of orifice channel  $o$  P Polarization  $Q$  Flow rate Heat flux  $Q$  Charge  $r$  Atomizer geometry : electrode tip radius  $p$  T Time  $T$  Temperature  $U$  Velocity  $V$  Voltage  $W$  Energy  $X$  Distance Nomenclature (Greek) Thermal expansion coefficient Permittivity Permutation operator  $ijk$  Ion mobility  $VI$  Nomenclature Debye length  $D$  Dynamic viscosity Mass density Surface tension  $T$  Electrical conductivity Timescale Vorticity Nomenclature (Subscripts) Reference state  $o$  Cartesian tensor notation  $ijk$  Volume density ( per unit volume)  $v$  Surface density ( per unit area)  $s$  Linear density ( per unit length)  $l$  critical state  $c$  Bulk mean injection  $inj$  Nomenclature (Superscripts) Time or ensemble averaged Contents Contents 1 Introduction. 1 1. 1 Introduction and Scope. . 1 1. 2 Organization. . 3 2 Electrostatics, Electrohydrodynamic Flow, Coupling and Instability. . 5 2. 1 Electrostatics. . 5 2. 1. 1 The Coulomb Force 5 2. 1. 2 Permittivity 6 2. 1. 3 Conductors, Insulators, Dielectrics and Polarization. . 6 2. 1. 4 Gauss Law. . 8 2. 2 Mobility and Charge Transport. 10 2. 2. 1 Introduction 10 This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.



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