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Autore	Lorang Julie
Titolo	David Livingstone au cœur du continent africain : un aventurier engage contre l'esclavage / / par Julie Lorang ; avec la collaboration de Thomas Jacquemi
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Soggetti	Electronic books.
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Sommario/riassunto	Decouvrez enfin tout ce qu'il faut savoir sur David Livingstone et l'exploration de l'Afrique australe en moins d'une heure ! Missionnaire et explorateur ecossais, David Livingstone entame, en 1840, un periple long de 16 ans avec un triple objectif : evangeliser les populations locales, trouver de nouvelles voies commerciales pour le Royaume-Uni, et abolir l'esclavage en Afrique. Ce voyage, et les deux autres expeditions qui le suivront, le menera au cœur de l'Afrique australe, region jusqu'alors inexploree.Ce livre vous permettra d'en savoir plus sur : La vie du navigateur Le contexte polit

2. Record Nr. UNINA9910462542503321

Autore	Gaskell David R.
Titolo	An introduction to transport phenomena in materials engineering / / David R. Gaskell
Pubbl/distr/stampa	New Jersey : , : Momentum Press, LLC, , 2012
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Descrizione fisica	1 online resource (686 p.)
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references (p. 642-643) and index.
Nota di contenuto	List of symbols -- 1. Engineering units and pressure in static fluids -- 1.1 Origins of engineering units -- 1.2 Concept of pressure -- 1.3 Measurement of pressure -- 1.4 Pressure in incompressible fluids -- 1.5 Buoyancy -- 1.6 Summary -- Problems -- 2. Momentum transport and laminar flow of Newtonian fluids -- 2.1 Introduction -- 2.2 Newton's lax of viscosity -- 2.3 Conservation of momentum in steady-state flow -- 2.4 Fluid flow between two flat parallel plates -- 2.5 Fluid flow down in inclined plane -- 2.6 Fluid flow in a vertical cylindrical tube -- 2.7 Capillary flowmeter -- 2.8 Fluid flow in an annulus -- 2.9 Mean residence time -- 2.10 Calculation of viscosity from the kinetic theory of gases -- 2.11 Viscosities of liquid metals -- 2.12 Summary -- Problems -- 3. Equations of continuity and conservation of momentum and fluid flow past submerged objects -- 3.1 Introduction -- 3.2 Equation of continuity -- 3.3 Conservation of momentum -- 3.4 Navier-Stokes equation for fluids of constant density and viscosity -- 3.5 Fluid flow over a horizontal flat plane -- 3.6 Approximate integral method in obtaining boundary layer thickness -- 3.7 Creeping flow past a sphere -- 3.8 Summary -- Problems --

mixture of ideal gases -- 11.5 Equimolar counterdiffusion -- 11.6 One-dimensional steady-state diffusion of gas A through stationary gas B -- 11.7 Sublimation of a sphere into a stationary gas -- 11.8 Film model -- 11.9 Catalytic surface reactions -- 11.10 Diffusion and chemical reaction in stagnant film -- 11.11 Mass transfer at large fluxes and large concentrations -- 11.12 Influence of mass transport on heat transfer in stagnant film -- 11.13 Diffusion into a falling film of liquid -- 11.14 Diffusion and the kinetic theory of gases -- 11.15 Mass transfer coefficient and concentration boundary layer on a flat plate -- 11.16 Approximate integral method -- 11.17 Mass transfer by free convection -- 11.18 Simultaneous heat and mass transfer: evaporate cooling -- 11.19 Chemical reaction and mass transfer: mixed control -- 11.20 Dissolution of pure metal A in liquid B: mixed control -- 11.21 Summary -- Problems --
12. Condensation and boiling -- 12.1 Introduction -- 12.2 Dimensionless parameters in boiling and condensation -- 12.3 Modes of boiling -- 12.4 Pool boiling correlations -- 12.5 Summary -- Problems --
Appendix A. Elementary and derived SI units and symbols -- Appendix B. Prefixes and symbols for multiples and submultiples of SI units -- Appendix C. Conversion from British and U.S. units to SI units -- Appendix D. Properties of solid metals -- Appendix E. Properties of nonmetallic solids -- Appendix F. Properties of gases at 1 Atm pressure -- Appendix G. Properties of saturated liquids -- Appendix H. Properties of liquid metals -- Recommended readings -- Answers to problems -- Index.

Sommario/riassunto

In their classic text, Transport Phenomena, Bird, Stewart. and Lightfoot state their opinion that the subject of transport phenomena should rank along with thermodynamics, mechanics, and electromagnetism as one of the "key engineering sciences." This thought was not shared by many traditional metallurgists, and diffusion in the solid state was the only aspect of transport phenomena included in many traditional university metallurgy curricula. However, as metallurgists transformed themselves into materials scientists and engineers, and the artificial barriers between the various engineering disciplines were lowered, the materials engineers began to see the truth in the opinion of Bird, Stewart, and Lightfoot. The major difference, however, between the first and this edition is that this edition contains an additional chapter, Chapter 12, titled "Boiling and Condensation." The material presented in this chapter is particularly important in view of the current interest in Renewal Energy Resources involving such devices as windmills and solar panels. Developments in this field require a thorough familiarity with the phenomena and mechanisms of boiling and condensation.