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| Autore | *Sotheby & Co. <Londra> |
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| Descrizione fisica | 1 online resource (543 pages) |
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| Disciplina | 515 |
| Soggetti | Mathematical analysis
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 -- 2.6 A Mosaic of Series -- 3 Power Series -- 3.1 Convergence and
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 3.3 Gems with Numerical and Power Series -- 3.4 Single Zeta Series --
 3.5 Polylogarithm Series -- 3.6 Inequalities and Integrals -- 3.7
 Generating Functions -- 3.8 Series with Harmonic and Skew-Harmonic
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 Multiple Series with the Riemann Zeta Function -- 3.11 Series Involving
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 4.1 Apéritif -- 4.2 Integral Equations -- 4.3 Differential Equations --
 4.4 Higher Order Derivatives -- 4.5 Taylor's Formula -- 4.6 Series with
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 6.3 Implicit Functions of One Real Variable Defined by a System of
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 Special Differential Equations -- 7.10 Inequalities -- 7.11 Fabulous
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 Sandham-Yeung Series -- 8.1 The First Proof -- 8.2 The Second Proof
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 10.2 Applications of Abel's Summation Formula -- 10.3 Series with
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 12.7 Series with Fractional Part Function -- 12.8 Extrema of One
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Letters; Other Symbols; 2 - Convective and Radiative Heat Transfer; 2.1 Introduction; 2.2 Combined Conduction and Convection; Example 2.1; Example 2.2; 2.3 Extended Surfaces; Example 2.3; Example 2.4; 2.4 Forced Convection in Pipes and Ducts; Example 2.5; Example 2.6; Example 2.7; Example 2.8; 2.5 Forced Convection in External Flow; Example 2.9; Example 2.10; 2.6 Free Convection; Example 2.11; Example 2.12; 2.7 Radiation; Example 2.13; References; Notations; Greek Letters; 3 - Heat Exchangers; 3.1 Introduction 3.2 Double-Pipe Equipment 3.3 Shell-and-Tube Equipment; 3.4 Plate Heat Exchangers; 3.5 The Overall Heat-Transfer Coefficient; Example 3.1; 3.6 The LMTD Correction Factor; Example 3.2; 3.7 Analysis of Double-Pipe Exchangers; Example 3.3; 3.8 Preliminary Design of Shell-and-Tube Exchangers; Example 3.4; 3.9 Rating a Shell-and-Tube Exchanger; Example 3.5; 3.10 Heat-Exchanger Effectiveness; Example 3.6; References; Appendix 3.A Derivation of the Logarithmic Mean Temperature Difference; Notations; Greek Letters; 4 - Design of Double-Pipe Heat Exchangers; 4.1 Introduction 4.2 Heat-Transfer Coefficients for Exchangers without Fins 4.3 Hydraulic Calculations for Exchangers without Fins; 4.4 Series/Parallel Configurations of Hairpins; 4.5 Multi-Tube Exchangers; 4.6 Over-Surface and Over-Design; Example 4.1; Example 4.2; 4.7 Finned-Pipe Exchangers; 4.8 Heat-Transfer Coefficients and Friction Factors for Finned Annuli; 4.9 Wall Temperature for Finned Pipes; Example 4.3; 4.10 Computer Software; Example 4.4; HEXTRAN Input File for Example 4.4; HEXTRAN Output Data for Example 4.4; Example 4.5; HEXTRAN Input File for Example 4.5; HEXTRAN Output Data for Example 4.5 Example 4.6 HEXTRAN Input File for Example 4.6; HEXTRAN Output Data for Example 4.6; References; Appendix 4.A. Hydraulic Equations in SI Units; Appendix 4.B. Incremental Analysis; Notations; Greek Letters; 5 - Design of Shell-and-Tube Heat Exchangers; 5.1 Introduction; 5.3 Hydraulic Calculations; 5.4 Finned Tubing; 5.5 Tube-Count Tables; 5.6 Factors Affecting Pressure Drop; 5.7 Design Guidelines; 5.8 Design Strategy; Example 5.1; Example 5.2; 5.9 Computer Software; Example 5.3; HEXTRAN Input File for Example 5.3; HEXTRAN Output Data for Example 5.3; Example 5.4 HEXTRAN Input File for Example 5.4, Run 1

Sommario/riassunto

Process Heat Transfer is a reference on the design and implementation of industrial heat exchangers. It provides the background needed to understand and master the commercial software packages used by professional engineers in the design and analysis of heat exchangers. This book focuses on types of heat exchangers most widely used by industry: shell-and-tube exchangers (including condensers, reboilers and vaporizers), air-cooled heat exchangers and double-pipe (hairpin) exchangers. It provides a substantial introduction to the design of heat exchanger networks using pinch tec

4. Record Nr.	UNINA9910776173003321
Autore	Sippel Sarah Ruth
Titolo	Land
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Nota di contenuto	Frontmatter -- Inhalt -- 1 Einleitung -- 2 Von der Marginalisierung von Land zum Land Rush -- 3 Land und Verräumlichungspraktiken -- 4 Neu-Formatierungen von Land als Anlagegeographien -- 5 Land und Materialität -- 6 De- und Reregulierungen von Land -- 7 Lokale Aushandlungen und transregionale Gegenbewegungen -- 8 Zusammenfassung
Sommario/riassunto	Fragen von Land sind angesichts von globalem Klimawandel, einer wachsenden Weltbevölkerung und mehrfachen Ernährungskrisen wieder in das Zentrum der Aufmerksamkeit gerückt. Im Zuge der „Wiederentdeckung der Landfrage“ wurden auch die vielschichtigen Dimensionen von Land erneut deutlich, die Land von anderen Ressourcen unterscheiden. Land symbolisiert Gemeinschaft, Erinnerung, Erbe, Zugehörigkeit und Identität ebenso wie Eroberung, Enteignung und Vertreibung. Land ist materiell und physisch greifbar und umfasst neben seiner Oberfläche auch den Erdboden und den Zugang zu weiteren Ressourcen. Land ist produktiv – und damit direkt an das Überleben von Menschen gekoppelt. Dieser Band zeigt auf, wie Land aktuell neu ausgehandelt wird – als gemeinschaftliches Gut, Privateigentum, Nährboden menschlichen Daseins oder Finanzanlageobjekt – und verweist auf die Vorstellungen von Raum und

Raumordnungen, die diesen Aushandlungsprozessen zugrunde liegen.

This volume shows how land is currently being renegotiated as a collective commodity, private property, fertile soil for human existence, or as an object of financial investment by identifying the ideas of space and spatial order on which these processes of negotiation are based.
