

1. Record Nr.	UNINA9910777046003321
Titolo	Integral methods in science and engineering [[electronic resource]] : techniques and applications // C. Constanda, S. Potapenko, editors
Pubbl/distr/stampa	Boston, : Birkhauser, c2008
ISBN	1-281-11637-8 9786611116378 0-8176-4671-X
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (311 p.)
Altri autori (Persone)	ConstandaC (Christian) PotapenkoS (Stanislav)
Disciplina	518.66
Soggetti	Integral equations - Numerical solutions Mathematical analysis Science - Mathematics Mathematical physics Engineering mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Superconvergence of Projection Methods for Weakly Singular Integral Operators -- On Acceleration of Spectral Computations for Integral Operators with Weakly Singular Kernels -- Numerical Solution of Integral Equations in Solidification and Melting with Spherical Symmetry -- An Analytic Solution for the Steady-State Two-Dimensional Advection-Diffusion-Deposition Model by the GILTT Approach -- Analytic Two-Dimensional Atmospheric Pollutant Dispersion Simulation by Double GITT -- Transient Acoustic Radiation from a Thin Spherical Elastic Shell -- The Eigenfrequencies and Mode Shapes of Drilling Masts -- Layer Potentials in Dynamic Bending of Thermoelastic Plates -- Direct Methods in the Theory of Thermoelastic Plates -- The Dirichlet Problem for the Plane Deformation of a Thin Plate on an Elastic Foundation -- Some Remarks on Homogenization in Perforated Domains -- Dynamic Response of a Poroelastic Half-Space to Harmonic Line Traction -- Convexity Conditions and Uniqueness and Regularity of Equilibria in Nonlinear Elasticity -- The Mathematical Modeling of

Syringomyelia -- A System Iterative Method for Solving First-Kind, Degraded Identity Operator Equations -- Fast Numerical Integration Method Using Taylor Series -- Boundary Integral Solution of the Two-Dimensional Fractional Diffusion Equation -- About Traces, Extensions, and Co-Normal Derivative Operators on Lipschitz Domains -- On the Extension of Divergence-Free Vector Fields Across Lipschitz Interfaces -- Solutions of the Atmospheric Advection–Diffusion Equation by the Laplace Transformation -- On Quasimodes for Spectral Problems Arising in Vibrating Systems with Concentrated Masses -- Two-Sided Estimates for Local Minimizers in Compressible Elasticity -- Harmonic Oscillations in a Linear Theory of Antiplane Elasticity with Microstructure -- Exterior Dirichlet and Neumann Problems for the Helmholtz Equation as Limits of Transmission Problems -- Direct Boundary Element Method with Discretization of All Integral Operators -- Reciprocity in Elastomechanics: Development of Explicit Results for Mixed Boundary Value Problems -- Integral Equation Modeling of Electrostatic Interactions in Atomic Force Microscopy -- Integral Representation for the Solution of a Crack Problem Under Stretching Pressure in Plane Asymmetric Elasticity -- Euler–Bernoulli Beam with Energy Dissipation: Spectral Properties and Control -- Correct Equilibrium Shape Equation of Axisymmetric Vesicles -- Properties of Positive Solutions of the Falkner–Skan Equation Arising in Boundary Layer Theory -- Stabilization of a Four-Dimensional System under Real Noise Excitation.

Sommario/riassunto

The physical world is studied by means of mathematical models, which consist of differential, integral, and integro-differential equations accompanied by a large assortment of initial and boundary conditions. In certain circumstances, such models yield exact analytic solutions. When they do not, they are solved numerically by means of various approximation schemes. Whether analytic or numerical, these solutions share a common feature: they are constructed by means of the powerful tool of integration—the focus of this self-contained book. An outgrowth of the Ninth International Conference on Integral Methods in Science and Engineering, this work illustrates the application of integral methods to diverse problems in mathematics, physics, biology, and engineering. The thirty two chapters of the book, written by scientists with established credentials in their fields, contain state-of-the-art information on current research in a variety of important practical disciplines. The problems examined arise in real-life processes and phenomena, and the solution techniques range from theoretical integral equations to finite and boundary elements. Specific topics covered include spectral computations, atmospheric pollutant dispersion, vibration of drilling masts, bending of thermoelastic plates, homogenization, equilibria in nonlinear elasticity, modeling of syringomyelia, fractional diffusion equations, operators on Lipschitz domains, systems with concentrated masses, transmission problems, equilibrium shape of axisymmetric vesicles, boundary layer theory, and many more. *Integral Methods in Science and Engineering* is a useful and practical guide to a variety of topics of interest to pure and applied mathematicians, physicists, biologists, and civil and mechanical engineers, at both the professional and graduate student level. .

2. Record Nr.	UNINA9910134869503321
Titolo	Social Design : Gestalten für die Transformation der Gesellschaft / Claudia Banz
Pubbl/distr/stampa	Bielefeld, : transcript Verlag, 2016
ISBN	9783839430682 3839430682
Edizione	[1st ed.]
Descrizione fisica	1 online resource (201 p.)
Collana	Design
Classificazione	MS 1290
Disciplina	745.4
Soggetti	Design Gesellschaft Society Kultur Culture Utopie Utopia Shaping Gestaltung Social Entrepreneurship Kultursoziologie Sociology of Culture
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Is it possible to transform society through design? What possibilities do designers possess, and what responsibilities do they bear? How do understandings of design contents and tasks change, and what does the occupation of a social designer look like? This book looks into these and other questions. From cross-disciplinary perspectives, the contributions offer a complex insight into the history and practice of social design, investigates its socio-cultural relevance and looks into its transformative potential.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter 1 Inhalt 5 Einleitung 7 Zwischen Widerstand und Affirmation 11 Design als soziales Phanomen 27 Design und die Sichtbarkeit möglicher Zukunfte 35 »Eigentlich sollten wir nicht mehr

über Social Design sprechen.« 43 Social Design - ein Paradox? 61
Experimentelles Design 71 Soziales Design in humanitärer Praxis
85 Soziales Design und urbane Realität 95 Ist »Social Design« eine
neue Designkategorie? 103 Die Mode ergreift das Wort 113 Ich und
ich im wirklichen Leben 129 Soziale Gestaltung am Bauhaus 135
Gebrauchspatina, Simplex und offenes Prinzip 147 »Rot« und »Grün«
165 Literatur 181 Autorinnen und Autoren 189 Backmatter 194

Sommario/riassunto

Kann man Gesellschaft durch Gestaltung transformieren? Welche
Optionen besitzen die Designer und welche Verantwortung tragen sie?
Welche Diskurse werden um die Erweiterung des Designbegriffs geführt
und wie sieht die Zukunft des Designs aus? Designer, Design- und
Kulturwissenschaftler, Kuratoren und Hochschullehrer fokussieren und
hinterfragen das aktuelle Phänomen des Social Design. Die Beiträge
untersuchen aus transdisziplinärer Perspektive die soziokulturelle
Relevanz sowie das transformative Potenzial von Social Design und
formulieren eine Agenda für die Designer von morgen.
»Lesenswert nicht nur für Designer und Agenturmitarbeiter [...],
sondern auch für jene Stiftungen, die eng mit externen Graphikern und
Agenturen zusammenarbeiten.«
Besprochen in: designreport, 6 (2016) domus, 6 (2016) Kunstbulletin, 1-
2 (2017) GMK-Newsletter, 1 (2017) soziologie heute, 6 (2017), Hans-
Werner Franz
»Das Buch bietet auch einer breiteren Leserschaft einen verständlichen
Überblick, und, wichtiger noch, einen spielerischen Einblick in die Welt
und das Selbstverständnis des Social Design.«
