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Autore	Schuster Thomas <1971->
Titolo	Regularization methods in Banach spaces [[electronic resource] /] / by Thomas Schuster ... [et al.]
Pubbl/distr/stampa	Berlin ; ; Boston, : De Gruyter, c2012
ISBN	3-11-025572-3 1-283-62792-2 9786613940377
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Collana	Radon series on computational and applied mathematics, , 1865-3707 ; ; 10 Radon Series on Computational and Applied Mathematics ; ; 10
Disciplina	515/.732
Soggetti	Banach spaces Parameter estimation Differential equations, Partial Electronic books.
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	Front matter -- Preface -- Contents -- Part I. Why to use Banach spaces in regularization theory? -- Part II. Geometry and mathematical tools of Banach spaces -- Part III. Tikhonov-type regularization -- Part IV. Iterative regularization -- Part V. The method of approximate inverse -- Bibliography -- Index
Sommario/riassunto	Regularization methods aimed at finding stable approximate solutions are a necessary tool to tackle inverse and ill-posed problems. Inverse problems arise in a large variety of applications ranging from medical imaging and non-destructive testing via finance to systems biology. Many of these problems belong to the class of parameter identification problems in partial differential equations (PDEs) and thus are computationally demanding and mathematically challenging. Hence there is a substantial need for stable and efficient solvers for this kind of problems as well as for a rigorous convergence analysis of these methods. This monograph consists of five parts. Part I motivates the importance of developing and analyzing regularization methods in

Banach spaces by presenting four applications which intrinsically demand for a Banach space setting and giving a brief glimpse of sparsity constraints. Part II summarizes all mathematical tools that are necessary to carry out an analysis in Banach spaces. Part III represents the current state-of-the-art concerning Tikhonov regularization in Banach spaces. Part IV about iterative regularization methods is concerned with linear operator equations and the iterative solution of nonlinear operator equations by gradient type methods and the iteratively regularized Gauß-Newton method. Part V finally outlines the method of approximate inverse which is based on the efficient evaluation of the measured data with reconstruction kernels.

2. Record Nr.	UNINA9910825423203321
Autore	Jongsma Arthur E., Jr., <1943->
Titolo	Adult psychotherapy homework planner // Arthur E. Jongsma, Jr
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, , 2014 ©2014
ISBN	1-118-83625-1 1-118-83637-5
Edizione	[Fifth edition.]
Descrizione fisica	1 online resource (482 p.)
Collana	PracticePlanners
Disciplina	616.89/14
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto	Cover; PracticePlanners® Series; Title Page; Copyright; Dedication; PRACTICEPLANNERS® SERIES PREFACE; ACKNOWLEDGMENTS; INTRODUCTION; WHY HOMEWORK?; HOW TO USE THIS HOMEWORK PLANNER; ABOUT THE ASSIGNMENTS; CARRYING OUT THE ASSIGNMENT; SECTION 1: ANGER CONTROL PROBLEMS; ALTERNATIVES TO DESTRUCTIVE ANGER; EXERCISE 1.A: ALTERNATIVES TO DESTRUCTIVE ANGER; ANGER JOURNAL; EXERCISE 1.B: ANGER JOURNAL; ASSERTIVE COMMUNICATION OF ANGER; EXERCISE 1.C: ASSERTIVE

COMMUNICATION OF ANGER; ASSERTIVE COMMUNICATION LOG;
SECTION 2: ANTISOCIAL BEHAVIOR; HOW I HAVE HURT OTHERS
EXERCISE 2.A: HOW I HAVE HURT OTHERS LETTER OF APOLOGY;
EXERCISE 2.B: LETTER OF APOLOGY; THREE ACTS OF KINDNESS;
EXERCISE 2.C: THREE ACTS OF KINDNESS; SECTION 3: ANXIETY;
ANALYZE THE PROBABILITY OF A FEARED EVENT; EXERCISE 3.A:
ANALYZE THE PROBABILITY OF A FEARED EVENT; PAST SUCCESSFUL
ANXIETY COPING; EXERCISE 3.B: PAST SUCCESSFUL ANXIETY COPING;
WORRY TIME; EXERCISE 3.C: WORRY TIME; DAILY "WORRY TIME" LOG;
SECTION 4: ATTENTION DEFICIT DISORDER (ADD) - ADULT; PROBLEM
SOLVING: AN ALTERNATIVE TO IMPULSIVE ACTION; EXERCISE 4.A:
PROBLEM SOLVING: AN ALTERNATIVE TO IMPULSIVE ACTION
SELF-MONITORING/SELF-REWARD PROGRAM EXERCISE 4.B: SELF-
MONITORING/SELF-REWARD PROGRAM; SELF-MONITORING/SELF-
REWARD FORM; SYMPTOMS AND FIXES FOR ADD; EXERCISE 4.C:
SYMPTOMS AND FIXES FOR ADD; SECTION 5: BIPOLAR-DEPRESSION;
EARLY WARNING SIGNS OF DEPRESSION; EXERCISE 5.A: EARLY WARNING
SIGNS OF DEPRESSION; IDENTIFYING AND HANDLING TRIGGERS;
EXERCISE 5.B: IDENTIFYING AND HANDLING TRIGGERS; SECTION 6:
BIPOLAR-MANIA; KEEPING A DAILY RHYTHM; EXERCISE 6.A: KEEPING A
DAILY RHYTHM; DAILY ACTIVITIES FORM; SELF-MONITORING OF
MOODS; RECOGNIZING THE NEGATIVE CONSEQUENCES OF IMPULSIVE
BEHAVIOR
EXERCISE 6.B: RECOGNIZING THE NEGATIVE CONSEQUENCES OF
IMPULSIVE BEHAVIOR WHAT ARE MY GOOD QUALITIES?; EXERCISE 6.C:
WHAT ARE MY GOOD QUALITIES?; WHY I DISLIKE TAKING MY
MEDICATION; EXERCISE 6.D: WHY I DISLIKE TAKING MY MEDICATION;
SECTION 7: BORDERLINE PERSONALITY; JOURNAL AND REPLACE SELF-
DEFEATING THOUGHTS; EXERCISE 7.A: JOURNAL AND REPLACE SELF-
DEFEATING THOUGHTS; PLAN BEFORE ACTING; EXERCISE 7.B: PLAN
BEFORE ACTING; SECTION 8: CHILDHOOD TRAUMA; CHANGING FROM
VICTIM TO SURVIVOR; EXERCISE 8.A: CHANGING FROM VICTIM TO
SURVIVOR; DEEP BREATHING EXERCISE; EXERCISE 8.B: DEEP BREATHING
EXERCISE
FEELINGS AND FORGIVENESS LETTER EXERCISE 8.C: FEELINGS AND
FORGIVENESS LETTER; SECTION 9: CHRONIC PAIN; PAIN AND STRESS
JOURNAL; EXERCISE 9.A: PAIN AND STRESS JOURNAL; SECTION 10:
COGNITIVE DEFICITS; MEMORY AID-PERSONAL INFORMATION
ORGANIZER; EXERCISE 10.A: MEMORY AID-PERSONAL INFORMATION
ORGANIZER; MEMORY ENHANCEMENT TECHNIQUES; EXERCISE 10.B:
MEMORY ENHANCEMENT TECHNIQUES; SECTION 11: DEPENDENCY;
MAKING YOUR OWN DECISIONS; EXERCISE 11.A: MAKING YOUR OWN
DECISIONS; SATISFYING UNMET EMOTIONAL NEEDS; EXERCISE 11.B:
SATISFYING UNMET EMOTIONAL NEEDS; TAKING STEPS TOWARD
INDEPENDENCE
EXERCISE 11.C: TAKING STEPS TOWARD INDEPENDENCE

Sommario/riassunto

This guide contains 92 ready-to-use, between-session assignments designed to fit virtually every therapeutic mode. Featuring new and updated assignments and exercises that coordinate with evidence-based treatment, the assignments found in this reference are grouped by behavioral problems including depression, low self esteem, anxiety, dependency, eating disorder, and phase of life problems. An accompanying CD-ROM allows clinicians to customize the assignments to fit a particular client need or treatment situation. The companion CD-ROM is not included as part of the e-book file, but is availabl
