

1. Record Nr.	UNINA9910456747503321
Autore	Egerstedt Magnus
Titolo	Control theoretic splines [[electronic resource]] : optimal control, statistics, and path planning // Magnus Egerstedt and Clyde Martin
Pubbl/distr/stampa	Princeton, : Princeton University Press, c2010
ISBN	1-282-45796-9 1-282-93606-9 9786612936067 9786612457968 1-4008-3387-6
Edizione	[Course Book]
Descrizione fisica	1 online resource (227 p.)
Collana	Princeton series in applied mathematics
Classificazione	SK 880
Altri autori (Persone)	MartinClyde
Disciplina	511/.42
Soggetti	Interpolation Smoothing (Numerical analysis) Smoothing (Statistics) Curve fitting Splines Spline theory 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	Frontmatter -- Contents -- Preface -- Chapter One. Introduction -- Chapter Two. Control Systems and Minimum Norm Problems -- Chapter Three. Eight Fundamental Problems -- Chapter Four. Smoothing Splines and Generalizations -- Chapter Five. Approximations and Limiting Concepts -- Chapter Six. Smoothing Splines with Continuous Data -- Chapter Seven. Monotone Smoothing Splines -- Chapter Eight. Smoothing Splines as Integral Filters -- Chapter Nine. Optimal Transfer between Affine Varieties -- Chapter Ten. Path Planning and Telemetry -- Chapter Eleven. Node Selection -- Bibliography -- Index
Sommario/riassunto	Splines, both interpolatory and smoothing, have a long and rich history that has largely been application driven. This book unifies these

constructions in a comprehensive and accessible way, drawing from the latest methods and applications to show how they arise naturally in the theory of linear control systems. Magnus Egerstedt and Clyde Martin are leading innovators in the use of control theoretic splines to bring together many diverse applications within a common framework. In this book, they begin with a series of problems ranging from path planning to statistics to approximation. Using the tools of optimization over vector spaces, Egerstedt and Martin demonstrate how all of these problems are part of the same general mathematical framework, and how they are all, to a certain degree, a consequence of the optimization problem of finding the shortest distance from a point to an affine subspace in a Hilbert space. They cover periodic splines, monotone splines, and splines with inequality constraints, and explain how any finite number of linear constraints can be added. This book reveals how the many natural connections between control theory, numerical analysis, and statistics can be used to generate powerful mathematical and analytical tools. This book is an excellent resource for students and professionals in control theory, robotics, engineering, computer graphics, econometrics, and any area that requires the construction of curves based on sets of raw data.

2. Record Nr.	UNINA9910139593203321
Titolo	Prevention of fetal alcohol spectrum disorder FASD : who is responsible? / / edited by Sterling Clarren, Amy Salmon, and Egon Jonsson
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-Blackwell, , c2011
ISBN	3-527-63549-1 3-527-63548-3 1-283-28327-1 9786613283276 3-527-63550-5
Descrizione fisica	1 online resource (386 p.)
Collana	Health care and disease management, , 1864-9947
Disciplina	618.3268
Soggetti	Fetal alcohol syndrome - Prevention 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	Prevention of Fetal Alcohol Spectrum Disorder FASD: Who is responsible?; Contents; Preface; List of Contributors; 1: Introduction; 1.1 The Content of This Book; 1.2 What is FASD ?; 1.3 How Common is FASD?; 1.4 What is the Economic Burden of FASD?; 1.4.1 Annual Cost Per Person with FASD; 1.4.2 Comparing Costs; 1.4.3 Cost of Prevention versus Cost of Inaction; 1.5 Approaches to FASD Prevention; 1.5.1 Universal Prevention; 1.5.2 Screening for Prenatal Alcohol Exposure in Obstetric Settings; 1.5.2.1 Meconium Testing; 1.5.2.2 Maternal Self-Reporting; 1.5.3 Selective Prevention 1.5.4 Indicated Prevention 1.6 FASD Prevention in Aboriginal Communities; 1.7 Main obstacles to Preventing FASD; 1.8 Challenges in Measuring Effectiveness of FASD Prevention Initiatives; 1.9 Who is Responsible for the Prevention of FASD?; References; 2: An Overview of Systematic Reviews on the Prevention, Diagnosis, and Treatment of Fetal Alcohol Spectrum Disorder; 2.1 Introduction; 2.2 Objective and Scope; 2.3 Methodological Approach; 2.3.1 Elements of Assessment; 2.4 Results; 2.4.1 Search Results; 2.4.1.1 Characteristics of Systematic

Reviews Included in the Overview

2.4.2 Systematic Reviews on Prevention of FASD and Prenatal Alcohol Use; 2.4.2.1 General Characteristics; 2.4.2.2 Methodological

Characteristics of Systematic Reviews on Prevention of FASD and Prenatal Alcohol Use; 2.4.3 Methodological Quality of Systematic Reviews on Prevention of FASD and Prenatal Alcohol Use; 2.4.3.1 Characteristics of the Evidence Presented in the Systematic Reviews on Prevention Approaches to FASD and Prenatal Alcohol Use; 2.4.3.2 Qualitative Synthesis of the Evidence on the Effectiveness of Prevention Approaches to FASD and Prenatal Alcohol Use

2.4.3.3 Highlights of the Overall Results; 2.4.4 Systematic Reviews on the Diagnosis of FASD; 2.4.4.1 General Characteristics; 2.4.4.2

Methodological Characteristics of the Systematic Review on Diagnosis of FASD; 2.4.4.3 Methodological Quality of Systematic Reviews on Diagnosis of FASD; 2.4.4.4 Characteristics of the Evidence Presented in the Systematic Review on the Effectiveness of Diagnostic Approaches to FASD; 2.4.4.5 Qualitative Synthesis of the Evidence on the Effectiveness of Diagnostic Approaches to FASD; 2.4.4.6 Highlights of the Overall Results

2.4.5 Systematic Reviews on the Treatment of FASD; 2.4.5.1 General

Characteristics; 2.4.5.2 Methodological Characteristics of Systematic Reviews on Therapeutic Approaches to FASD; 2.4.5.3 Methodological Quality of Systematic Reviews on Therapeutic Approaches to FASD; 2.4.5.4 Characteristics of the Evidence Presented in the Systematic Reviews on Therapeutic Approaches to FASD; 2.4.5.5 Qualitative Synthesis of the Evidence on the Effectiveness of Therapeutic Approaches to FASD; 2.4.5.6 Highlights of the Overall Results; 2.5 Discussion; 2.5.1 FASD Prevention; 2.5.2 FASD Diagnosis

2.5.3 FASD Treatment

Sommario/riassunto

Exposing a developing embryo or fetus to alcohol can produce life long brain damage with neurological, cognitive and behavioural consequences. The implications of fetal alcohol spectrum disorder for the affected individual and the family are devastating. The social and economic burden to society is enormous with formidable expenditures in health care, mental health care, education, social services and possibly correctional services. Prevention has been a goal since the condition was medically described and defined forty years ago, but has remained elusive but feasible. This book reviews the ev

3. Record Nr.	UNISA996387557203316
Autore	Baxter Richard <1615-1691.>
Titolo	A call to the unconverted to turn and live [[electronic resource]] : and accept of mercy while mercy maybe had, as ever they would find mercy in the day of their extremity: from the living God. // By his unworthy servant Richard Baxter ; to be read in families where any are unconverted
Pubbl/distr/stampa	London, : Printed by R.W. for N. Simmons ..., 1671
Edizione	[The fifteenth edition,]
Descrizione fisica	[46], 188 38, [4] p
Soggetti	Conversion Salvation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Numerous errors in paging. Imperfect: tightly bound, with loss of text. Advertisement: 4 p. at end. "At 1s. bound." Reproduction of original in: Dulwich College Archive.
Sommario/riassunto	eebo-0041