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Titolo	Advanced JavaScript : speed up web development with the powerful features and benefits of JavaScript / / Zachary Shute
Pubbl/distr/stampa	[Place of publication not identified] : , : Packt, , [2019]
Edizione	[1st edition]
Descrizione fisica	1 online resource (330 pages)
Disciplina	005.2762
Soggetti	JavaScript (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Gain a deeper understanding of JavaScript and apply it to build small applications in backend, frontend, and mobile frameworks. Key Features Explore the new ES6 syntax, the event loop, and asynchronous programming Learn the test-driven development approach when building apps Master advanced JavaScript concepts to enhance your web developments skill Book Description If you are looking for a programming language to develop flexible and efficient applications, JavaScript is an obvious choice. Advanced JavaScript is a hands-on guide that takes you through JavaScript and its many features, one step at a time. You'll begin by learning how to use the new JavaScript syntax in ES6, and then work through the many other features that modern JavaScript has to offer. As you progress through the chapters, you'll use asynchronous programming with callbacks and promises, handle browser events, and perform Document Object Model (DOM) manipulation. You'll also explore various methods of testing JavaScript projects. In the concluding chapters, you'll discover functional programming and learn to use it to build your apps. With this book as your guide, you'll also be able to develop APIs using Node.js and Express, create front-ends using React/Redux, and build mobile apps using React/Expo. By the end of Advanced JavaScript, you will have explored the features and benefits of JavaScript to build small applications. What you will learn Examine major features in ES6 and implement those features to build applications Create promise and

callback handlers to work with asynchronous processes Develop asynchronous flows using Promise chaining and async/await syntax Manipulate the DOM with JavaScript Handle JavaScript browser events Explore Test Driven Development and build code tests with JavaScript code testing frameworks. List the benefits and drawbacks of functional programming compared to other styles Construct applications with the Node.js backend framework and the React frontend framework Who this book is for This book is designed to target anyone who wants to write JavaScript in a professional environment. We expect the audience to have used JavaScript in some capacity and be familiar with the basic syntax. This book would be good for a tech enthusiast wondering when to use generators or how to use Promises and Callbacks effectively, or a novice developer who wants to deepen their knowledge on JavaScript and understand TDD.

2. Record Nr. UNINA9910483934403321

Titolo	Computer algebra in scientific computing : 11th international workshop, CASC 2009, Kobe, Japan, September 13-17, 2009 : proceedings / / Vladimir P. Gerdt, Ernst W. Mayr, Evgenii V. Vorozhtsov (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2009
ISBN	9783642041037 3642041035
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XI, 393 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 5743
Classificazione	DAT 702f SS 4800
Altri autori (Persone)	GerdtV. P MayrErnst VorozhtsovE. V <1946-> (Evgenii Vasilevich)
Disciplina	005.131
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Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

On m-Interlacing Solutions of Linear Difference Equations -- Parametric Analysis of Stability Conditions for a Satellite with Gyrodines -- Computing and Visualizing Closure Objects Using Relation Algebra and RelView -- On Integrability of a Planar ODE System Near a Degenerate Stationary Point -- Conditions of D-Stability of the Fifth-Order Matrices -- Code Generation for Polynomial Multiplication -- Solving Structured Polynomial Systems and Applications to Cryptology -- The Comparison Method of Physical Quantity Dimensionalities -- Ambient Isotopic Meshing for Implicit Algebraic Surfaces with Singularities -- Involution and Difference Schemes for the Navier–Stokes Equations -- A Mathematica Package for Simulation of Quantum Computation -- On Computing the Hermite Form of a Matrix of Differential Polynomials -- On the Computation of Comprehensive Boolean Gröbner Bases -- On Invariant Manifolds of Dynamical Systems in Lie Algebras -- On the Complexity of Reliable Root Approximation -- Algebraic Approach to the Computation of the Defining Polynomial of the Algebraic Riccati Equation -- Discrete Dynamics: Gauge Invariance and Quantization -- Effective Quantifier Elimination for Presburger Arithmetic with Infinity -- An Algorithm for Symbolic Solving of Differential Equations and Estimation of Accuracy -- Lazy and Forgetful Polynomial Arithmetic and Applications -- On the Average Growth Rate of Random Compositions of Fibonacci and Padovan Recurrences -- A Study on Gröbner Basis with Inexact Input -- Modular Algorithms for Computing a Generating Set of the Syzygy Module -- A Symbolic Framework for Operations on Linear Boundary Problems -- Mathematical Model for Dengue Epidemics with Differential Susceptibility and Asymptomatic Patients Using Computer Algebra -- Multiple Factorizations of Bivariate Linear Partial Differential Operators -- Computing Gröbner Bases within Linear Algebra -- A Mimetic Finite-Difference Scheme for Convection of Multicomponent Fluid in a Porous Medium -- Symbolic-Numerical Algorithms for Solving Parabolic Quantum Well Problem with Hydrogen-Like Impurity -- New Analytic Solutions of the Problem of Gas Flow in a Casing with Rotating Disc -- Hybrid Solution of Two-Point Linear Boundary Value Problems.

Sommario/riassunto

This book constitutes the refereed proceedings of the 11th International Workshop on Computer Algebra in Scientific Computing, CASC 2009, held in Kobe, Japan, in September 2009. The 28 revised full papers presented together with 2 invited lectures were carefully reviewed and selected from numerous submissions. The topics addressed are all basic areas of scientific computing as they benefit from the application of computer algebra methods and software. The papers cover computer algebra methods and algorithms, application of symbolic and algebraic manipulation, and CA methods and results for the numerical integration of the partial differential equations of the mathematical physics.