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Titolo	Programming Kotlin : familiarize yourself with all of Kotlin's features with this indepth guide / / Stephen Samuel, Stefan Bocutiu
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Sommario/riassunto	Familiarize yourself with all of Kotlin's features with this in-depth guide About This Book Get a thorough introduction to Kotlin Learn to use Java code alongside Kotlin without any hiccups Get a complete overview of null safety, Generics, and many more interesting features Who This Book Is For The book is for existing Java developers who want to learn more about an alternative JVM language. If you want to see what Kotlin has to offer, this book is ideal for you. What You Will Learn Use new features to write structured and readable object-oriented code Find out how to use lambdas and higher order functions to write clean, reusable, and simple code Write unit tests and integrate Kotlin tests with Java code in a transitioning code base Write real-world production code in Kotlin in the style of microservices Leverage Kotlin's extensions to the Java collections library Use destructuring expressions and find out how to write your own Write code that avoids null pointer errors and see how Java-nullable code can integrate with features in a Kotlin codebase Discover how to write functions in Kotlin, see the new features available, and extend existing libraries Learn to write an algebraic data types and figure out when they should be used In Detail Kotlin has been making waves ever since it was open sourced by JetBrains in 2011; it has been praised by developers across the world and is already being adopted by companies. This book provides a

	detailed introduction to Kotlin that shows you all its features and will enable you to write Kotlin code to production. We start with the basics: get you familiar with running Kotlin code, setting up, tools, and instructions that you can use to write basic programs. Next, we cover object oriented code: functions, lambdas, and properties - all while using Kotlin's new features. Then, we move on to null safety aspects and type parameterization. We show you how to destructure expressions and even write your own. We also take you through important topics like testing, concurrency, microservices, and a whole lot more. By the end of this book you will be able to compose different services and build your own applications. Style and approach An easy to follow guide that covers the full set of features in Kotlin programming.

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Titolo	Position, navigation, and timing technologies in the 21st Century . Volume 2 : integrated satellite navigation, sensor systems, and civil applications / edited by Y. Jade Morton [and three others]
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Nota di contenuto	Part D: Position, Navigation, and Timing Using Radio Signals-of-Opportunity -- 35. Overview of Volume 2: Integrated PNT Technologies

and Applications /John F. Raquet, Air Force Institute of Technology, US -- 36. Non-Linear Recursive Estimation for Integrated Navigation Systems /Michael J. Veth, Veth Research Associates, US -- 37. Overview of Indoor Navigation Techniques /Sudeep Pasricha, Colorado State University, US -- 38. Navigation with Cellular Signals-of-Opportunity /Zak Kassas, University of California Irvine, US -- 39. Navigation with Dedicated Metropolitan Beacon Systems /Subbu Meiyappan, NextNav LLC, US /Arun Raghupathy, NextNav LLC, US /Ganesh Pattabiraman, NextNav LLC, US -- 40. Navigation with Terrestrial Digital Broadcast Signals /Chun Yang, SigTem Technology Inc., US -- 41. Navigation with Low Frequency Radio Signals /Wouter Pelgrum, Blue Origin, US /Charles Schue, III, Ursa Nav., US -- 42. Adaptive Radar Navigation System /Kyle Kauffman, Air Force Institute of Technology, US -- 43. Navigation from Low Earth Orbit /Tyler G. R. Reid, Stanford University., US /Todd Walter, Stanford University, US /Per Enge, Stanford University, US /David Lawrence, Satelles, US /H. Stewart Cobb, Satelles, US /Greg Gutt, Satelles, US /Michael O'Conner, Satelles, US /David Whelan, University of California San Diego, US -- Part E: Position, Navigation, and Timing Using Non-Radio Signals-of-Opportunity -- 44. Inertial Navigation Sensors /Stephen Smith, Draper Laboratory, US -- 45. MEMS Inertial Sensors /Alissa M. Fitzgerald, A.M. Fitzgerald & Associates, LLC, US -- 46. GNSS-INS Integration /Andrey Soloviev, QuNav, US /James L. Farrell, Vigil Inc., US /Maarten Uijt de Haag, Ohio University, US -- 47. Atomic Clock for GNSS /Leo Hollberg, Stanford University, US -- 48. Positioning Using Magnetic Fields /Aaron Canciani, Air Force Institute of Technology, US /John F. Raquet, Air Force Institute of Technology, US -- 49. Laser-Based Navigation /Maarten Uijt de Haag, Ohio University /Zhen Zhu, East Carolina University, US /Jacob Campbell, Air Force Research Laboratory, US.
50. Image-Aided Navigation - Concept and Applications /Michael J. Veth, Veth Research Associates, US /John F. Raquet, Air Force Institute of Technology, US -- 51. Digital Photogrammetry /Charles Toth, the Ohio State University, US /Zoltan Koppanyi, the Ohio State University, US -- 52. Navigation Using Pulsars and Other Variable Celestial Sources /Suneel Sheikh, ASTER Labs, Inc., US -- 53. Neuroscience of Navigation /Meredith E. Minear, University of Wyoming, US /Tes K. Sensibaugh, University of Wyoming, US -- 54. Orientation and Navigation in the Animal World /Gillian Durieux, Max Plank Institute for Evolutionary Biology, Germany /Miriam Liedvogel, Max Plank Institute for Evolutionary Biology, Germany -- Part F: Position, Navigation, and Timing for Consumer and Commercial Applications -- 55. GNSS Applications in Surveying and Mobile Mapping /Naser El-Sheimy, University of Calgary, Canada /Zahra Lari, University of Calgary, Canada -- 56. Precision Agriculture /Arthur F. Lange, Trimble Navigation, US /John Peake, Trimble Navigation, US -- 57. Wearables /Mark Gretton, TomTom, US /Peter Franks Pauwels, TomTom, US -- 58. Navigation in Advanced Driver-Assisted Systems and Automated Driving /David Bevly, Auburn University, US /Scott Martin, Auburn University, US -- 59. Train Control and Rail Traffic Management Systems /Alessandro Neri, University of Roma TRE, Italy -- 60. Commercial Unmanned Aircraft Systems /Maarten Uijt de Haag, Ohio University, US /Evan Dill, National Aeronautics and Space Administration, US /Steven D. Young, National Aeronautics and Space Administration, US /Mathieu Joerger, Virginia Tech, US -- 61. Navigation for Aviation /Sherman Lo, Stanford University, US -- 62. Orbit Determination with GNSS /Yoaz Bar-Sever, Jet Propulsion Lab, US -- 63. Satellite Formation Flying and Rendezvous /Simone D'Amico, Stanford University, US /J. Russell Carpenter, National Aeronautics and Space Administration, US -- 64. Navigation in

the Arctic /Tyler G. R. Reid, Stanford University, US /Todd Walter, Stanford University, US /Robert Guinness, Finnish Geospatial Research Institute, Finland /Sarang Thombre, Finnish Geospatial Research Institute, Finland /Heidi Kuusniemi, Finnish Geospatial Research Institute, Finland /Norvald Kjerstad, Norwegian University of Science and Technology, Norway.