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Beginning Julia Programming: For Engineers and Scientists (Paperback)

By Sandeep Nagar

aPress, United States, 2018. Paperback. Condition: New. 1st ed.. Language: English . Brand New Book. Get started with Julia for engineering and numerical computing, especially data science, machine learning, and scientific computing applications. This book explains how Julia provides the functionality, ease-of-use and intuitive syntax of R, Python, MATLAB, SAS, or Stata combined with the speed, capacity, and performance of C, C++, or Java. You ll learn the OOP principles required to get you started, then how to do basic mathematics with Julia. Other core functionality of Julia that you ll cover, includes working with complex numbers, rational and irrational numbers, rings, and fields. Beginning Julia Programming takes you beyond these basics to harness Julia s powerful features for mathematical functions in Julia, arrays for matrix operations, plotting, and more. Along the way, you also learn how to manage strings, write functions, work with control flows, and carry out I/O to implement and leverage the mathematics needed for your data science and analysis projects. Julia walks like Python and runs like C . This phrase explains why Julia is quickly growing as the most favored option for data analytics and numerical computation. After reading and using this book, you ll..



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