



# Lectures on Analytic Differential Equations (Graduate Studies in Mathematics)

*Yulij Ilyashenko, Sergei Yakovenko*

Download now

[Click here](#) if your download doesn't start automatically

# Lectures on Analytic Differential Equations (Graduate Studies in Mathematics)

*Yulij Ilyashenko, Sergei Yakovenko*

**Lectures on Analytic Differential Equations (Graduate Studies in Mathematics)** Yulij Ilyashenko, Sergei Yakovenko

The book combines the features of a graduate-level textbook with those of a research monograph and survey of the recent results on analysis and geometry of differential equations in the real and complex domain. As a graduate textbook, it includes self-contained, sometimes considerably simplified demonstrations of several fundamental results, which previously appeared only in journal publications (desingularization of planar analytic vector fields, existence of analytic separatrices, positive and negative results on the Riemann-Hilbert problem, Ecalle-Voronin and Martinet-Ramis moduli, solution of the Poincaré problem on the degree of an algebraic separatrix, etc.). As a research monograph, it explores in a systematic way the algebraic decidability of local classification problems, rigidity of holomorphic foliations, etc. Each section ends with a collection of problems, partly intended to help the reader to gain understanding and experience with the material, partly drafting demonstrations of the more recent results surveyed in the text. The exposition of the book is mostly geometric, though the algebraic side of the constructions is also prominently featured. On several occasions the reader is introduced to adjacent areas, such as intersection theory for divisors on the projective plane or geometric theory of holomorphic vector bundles with meromorphic connections. The book provides the reader with the principal tools of the modern theory of analytic differential equations and intends to serve as a standard source for references in this area.

 [Download Lectures on Analytic Differential Equations \(Gradu ...pdf](#)

 [Read Online Lectures on Analytic Differential Equations \(Gra ...pdf](#)

## **Download and Read Free Online Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) Yulij Ilyashenko, Sergei Yakovenko**

---

### **From reader reviews:**

#### **Joey Mendoza:**

Book is written, printed, or outlined for everything. You can realize everything you want by a book. Book has a different type. As it is known to us that book is important matter to bring us around the world. Next to that you can your reading talent was fluently. A e-book Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) will make you to end up being smarter. You can feel far more confidence if you can know about everything. But some of you think that will open or reading a book make you bored. It's not make you fun. Why they are often thought like that? Have you searching for best book or ideal book with you?

#### **Corey Johnson:**

Can you one of the book lovers? If so, do you ever feeling doubt while you are in the book store? Try and pick one book that you just dont know the inside because don't ascertain book by its protect may doesn't work the following is difficult job because you are frightened that the inside maybe not as fantastic as in the outside seem likes. Maybe you answer may be Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) why because the wonderful cover that make you consider with regards to the content will not disappoint you actually. The inside or content is fantastic as the outside or maybe cover. Your reading sixth sense will directly assist you to pick up this book.

#### **Larisa Nagle:**

Many people spending their time frame by playing outside along with friends, fun activity having family or just watching TV the whole day. You can have new activity to enjoy your whole day by reading a book. Ugh, ya think reading a book can actually hard because you have to use the book everywhere? It alright you can have the e-book, getting everywhere you want in your Smartphone. Like Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) which is obtaining the e-book version. So , why not try out this book? Let's see.

#### **Wesley Baker:**

A lot of book has printed but it takes a different approach. You can get it by world wide web on social media. You can choose the top book for you, science, comedy, novel, or whatever by means of searching from it. It is named of book Lectures on Analytic Differential Equations (Graduate Studies in Mathematics). You can include your knowledge by it. Without leaving the printed book, it may add your knowledge and make anyone happier to read. It is most crucial that, you must aware about book. It can bring you from one spot to other place.

**Download and Read Online Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) Yulij Ilyashenko, Sergei Yakovenko #YWGDQAL45UM**

## **Read Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko for online ebook**

Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko books to read online.

## **Online Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko ebook PDF download**

**Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko Doc**

Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko Mobipocket

Lectures on Analytic Differential Equations (Graduate Studies in Mathematics) by Yulij Ilyashenko, Sergei Yakovenko EPub