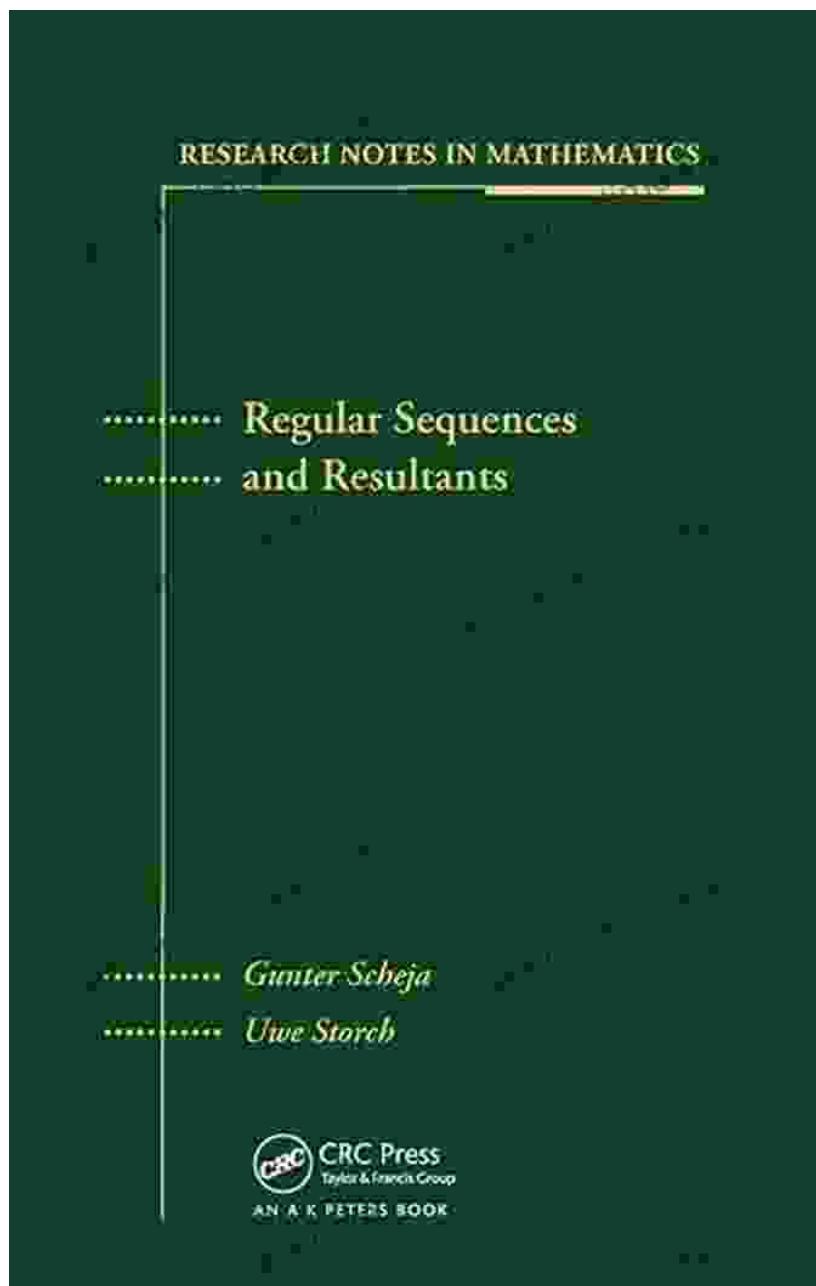


# Regular Sequences and Resultants: Unraveling the Mysteries of Mathematics



**Regular Sequences and Resultants** by Thomas Mohaupt

 4.7 out of 5

Language : English

File size : 811 KB

Text-to-Speech : Enabled



Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 152 pages  
X-Ray for textbooks : Enabled

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Prepare to embark on an intellectual odyssey as we delve into the fascinating realm of regular sequences and resultants, expertly illuminated by Thomas Mohaupt in his critically acclaimed book. This comprehensive guidebook unveils the intricate workings of these mathematical concepts, offering a profound understanding of their significance in various mathematical disciplines and their practical applications in science and engineering.

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The book commences by establishing a solid foundation, meticulously defining regular sequences and resultants within the context of commutative algebra. Mohaupt eloquently elucidates the fundamental properties of these concepts, laying the groundwork for a comprehensive understanding of their behavior and applications.

## Chapter 2: The Geometry of Regular Sequences

Step into the realm of algebraic geometry, where regular sequences unravel their geometric significance. Mohaupt masterfully explores the interplay between regular sequences and projective schemes, providing a

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Uncover the power of resultants as tools for elimination theory. Mohaupt delves into the intricate relationship between resultants and systems of polynomial equations, demonstrating their effectiveness in eliminating variables and solving polynomial systems.

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Witness the practical applications of regular sequences and resultants in algebraic geometry. Mohaupt adeptly showcases their significance in intersection theory, singularity theory, and the resolution of singularities, highlighting their indispensable role in understanding the geometry of algebraic varieties.

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Free Download your copy today and embark on an intellectual journey that will illuminate your path through the enigmatic world of regular sequences and resultants.



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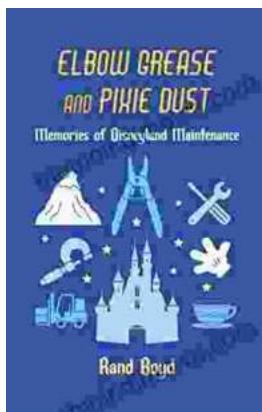
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