

*Discriminant  
Resultants  
And Multidim  
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ebook,discriminant  
resultants and  
multidimensional

*Page 1/111*

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*Page 2/111*

literature and  
These keywords were  
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is experimental and  
the keywords may be  
updated as the  
learning algorithm  
improves.

**Discriminants,  
resultants, and  
multidimensional  
determinants**

*Page 3/111*

**Discriminant  
Resultants And  
Multidimensional  
Determinantschines**

**e**

**Discriminant  
Resultants And  
Multidimensional  
Determinantschines**

**e**

Of Gelfand's 500+  
works, Discriminants,  
Resultants, and

*Page 4/111*

Multidimensional Determinants is currently the most cited on MathSciNet. A perusal of the long list of citations indicates the enormous influence of the book. Many of the citations are clearly in the framework set up by the book.

## **Discriminants,**

*Page 5/111*

# **Resultants, and Multidimensional Determinants**

Discriminants,  
Resultants, and  
Multidimensional  
Determinants  
Birkhäuser Boston •  
Basel • Berlin .  
Contents ... A-  
Resultants and Chow  
Polytopes of Toric  
Varieties 1. Mixed  
( $A_i, \dots, \wedge^*$ )-resultants

*Page 6/111*

252 2. The A-resultant  
255 ... Newton  
polytopes of the  
classical discriminant  
and resultant .... 411

## CHAPTER 13.

Discriminants and  
Resultants for ...

# **Discriminants, Resultants, and Multidimensional Determinants**

"It is very much

*Page 7/111*

representative of the Gelfand school style. ... Discriminants, Resultants, and Multidimensional Determinants is currently the most cited on MathSciNet. A perusal of the long list of citations indicates the enormous influence of the book. Many of the citations are clearly in



the framework set up by the book."

## **Discriminants, Resultants, and Multidimensional ...**

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The specific

*Page 9/111*

requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.

**Discriminants,  
resultants, and  
multidimensional ...**

"This book revives and vastly expands the classical theory of

*Page 10/111*

resultants and discriminants. Most of the main new results of the book have been published earlier in more than a dozen joint papers of the authors. The book nicely complements these original papers with many examples illustrating both old and new results of the theory."—Mathematical

*Page 11/111*

Reviews "Collecting  
and extending the ...

**Discriminants,  
Resultants, and  
Multidimensional ...**

classical answers to  
these questions are  
resultants,  
discriminants, and  
determinants,  
respectively. A main  
goal of Part II of  
[GKZ94] is to

*Page 12/111*

generalize these notions through the lens of toric geometry. In Section x1, we give a brief summary of definitions and results regarding A-resultants, A-discriminants,

**A brief survey of A-resultants, A-discriminants, and A**

...

*Page 13/111*

"This book revives and vastly expands the classical theory of resultants and discriminants. Most of the main new results of the book have been published earlier in more than a dozen joint papers of the authors. The book nicely complements these original papers with many examples

*Page 14/111*

illustrating both old and new results of the theory."—

**Discriminants,  
Resultants, and  
Multidimensional ...**

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*Page 15/111*

developers to learn,  
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**Mistake in  
Discriminants,  
Resultants, and  
Multidimensional ...**

"This book revives  
and vastly expands  
the classical theory of  
resultants and

*Page 16/111*



Discriminants. Most of the main new results of the book have been published earlier in more than a dozen joint papers of the authors.

## **????-Discriminants, Resultants, and Multidimensional ...**

In mathematics, the resultant of two polynomials is a

*Page 17/111*

polynomial expression of their coefficients, which is equal to zero if and only if the polynomials have a common root (possibly in a field extension), or, equivalently, a common factor (over their field of coefficients). In some older texts, the resultant is also called

the eliminant.. The resultant is widely used in number theory, either ...

## **Resultant - Wikipedia**

An introduction to hypergeometric functions, using new approaches in algebraic geometry, combinatorics and homological algebra.

*Page 19/111*

The authors present their results, relating discriminants and resultants with general hypergeometric functions and geometry of convex polytopes and triangulations.

**Discriminants,  
resultants, and  
multidimensional ...**

*Page 20/111*

The discriminant of a linear polynomial (degree 1) is rarely considered. If needed, it is commonly defined to be equal to 1 (using the usual conventions for the empty product and the determinant of the empty matrix). There is no common convention for the discriminant of a constant polynomial

(degree 0).

## **Discriminant - Wikipedia**

These keywords were added by machine and not by the authors. This process is experimental and the keywords may be updated as the learning algorithm improves.

**A-Discriminants |  
SpringerLink**

[www.maths.ed.ac.uk](http://www.maths.ed.ac.uk)

**[www.maths.ed.ac.uk](http://www.maths.ed.ac.uk)**

Discriminants,  
resultants, and  
multidimensional  
determinants ... The  
authors present their  
results, relating  
discriminants and  
resultants with  
general

*Page 23/111*

hypergeometric  
functions and  
geometry of convex  
polytopes and  
triangulations.

(source: Nielsen Book  
Data) Subjects.

Subject Determinants.

Discriminant analysis.

Bibliographic  
information ...

**Discriminants,  
resultants, and**

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## **multidimensional determinants**

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ebook,discriminant

resultants and

multidimensional

determinantschinese

edition,briggs and

stratton repair manual

26 hp,7th grade

fluency passages

dibels pdf,high school

algebra i unlocked

high school subject

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analysis kan c y,on  
the edge of the  
holocaust the shoah  
in latin american  
literature and

**Midnights Master  
Warriors Donna  
Grant**

Panterra 50cc 90cc  
Dirt Bike Service  
Repair Pdf Manual

*Page 26/111*

Ebook Pdf Panterra  
50cc 90cc Dirt Bike  
Service Repair Pdf  
Manual contains  
important information  
and a detailed

**4a542f-Panterra  
50cc 90cc Dirt Bike  
Service Repair Pdf  
Manual**

The hyperdeterminant  
is a generalization of  
the determinant in

*Page 27/111*

algebra. Whereas a determinant is a scalar valued function defined on an  $n \times n$  square matrix, a hyperdeterminant is defined on a multidimensional array of numbers or tensor. Like a determinant, the hyperdeterminant is a homogeneous polynomial with

integer coefficients in the components of the tensor.

## **Hyperdeterminant - Wikipedia**

Yes, this is true: the discriminant is geometrically irreducible. This is proved, in higher generality, on page 15 (Ch. 1.1. B) of

*Page 29/111*

Gelfand, Kapranov  
and Zelevinsky's  
book, Discriminants,  
Resultants and  
Multidimensional  
Determinants.  
\$\\endgroup\$ –  
Vesselin Dimitrov Oct  
24 '15 at 22:35

**ag.algebraic  
geometry -  
irreducibility of  
discriminant ...**

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[280] 97j:65075 Li,  
Lei; Hu, Jie Fast  
parallel algorithms for  
Vandermonde  
determinants.  
(Chinese) Math.  
Practice Theory 26  
(1996), no. 3,  
223--228. 65F40  
(65Y05) [281]  
97j:58125 Rugh,  
Hans Henrik  
Generalized Fredholm  
determinants and

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Selberg zeta functions  
for Axiom A  
dynamical systems.  
Ergodic Theory  
Dynam. Systems 16  
(1996), no. 4,  
805--819.

**Discriminant  
Resultants And  
Multidimension**

*Page 32/111*



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schinese**

Of Gelfand's  
500+ works,  
Discriminants,  
Resultants,  
and Multidimen  
sional

Determinants  
is currently  
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*Page 33/111*

A perusal of the long list of citations indicates the enormous influence of the book. Many of the citations are clearly in the framework set up by the

book.

**Discriminants,  
Resultants,  
and Multidimen  
sional**

**Determinants**

Discriminants,  
Resultants,  
and Multidimen  
sional

Determinants

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Birkhäuser  
Boston • Basel  
• Berlin .  
Contents ... A-  
Resultants and  
Chow Polytopes  
of Toric  
Varieties 1.  
Mixed  $(A_i, \dots,$   
 $\wedge^*)$ -resultant  
s 252 2. The A-  
resultant 255

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... Newton  
polytopes of  
the classical  
discriminant  
and resultant  
.... 411

CHAPTER 13.

Discriminants  
and Resultants  
for ...

**Discriminants,**

*Page 37/111*

**Resultants,  
and Multidimen  
sional  
Determinants**

"It is very  
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school style.

...

Discriminants,  
Resultants,

*Page 38/111*

and Multidimensional  
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**Discriminants,  
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and Multidimen  
sional ...**

*Page 40/111*



Note:  
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standards.  
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applications  
and fields of  
interest or

study. The  
specific  
requirements  
or preferences  
of your  
reviewing  
publisher,  
classroom  
teacher,  
institution or  
organization  
should be

applied.

**Discriminants,  
resultants,  
and multidimen  
sional ...**

"This book  
revives and  
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resultants and

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Most of the  
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many examples  
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the theory."—M  
athematical  
Reviews  
"Collecting  
and extending

*Page 45/111*

the ...

**Discriminants,  
Resultants,  
and Multidimen  
sional ...**

classical  
answers to  
these  
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resultants,  
discriminants,

*Page 46/111*

and  
determinants,  
respectively.  
A main goal of  
Part II of  
[GKZ94] is to  
generalize  
these notions  
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Section x1, we

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results  
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resultants, A-  
discriminants,

**A brief survey  
of A-  
resultants, A-  
discriminants,**

*Page 48/111*



**and A . . .**

"This book  
revives and  
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the classical  
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Most of the  
main new  
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*Page 49/111*

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these original  
papers with  
many examples  
illustrating

*Page 50/111*

both old and  
new results of  
the theory."—

**Discriminants,  
Resultants,  
and Multidimen  
sional ...**

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network  
consists of  
175 Q&A

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communities  
including  
Stack  
Overflow, the  
largest, most  
trusted online  
community for  
developers to  
learn, share  
their  
knowledge, and  
build their

careers..

Visit Stack

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**Mistake in  
Discriminants,  
Resultants,  
and Multidimen  
sional ...**

"This book  
revives and  
vastly expands

*Page 53/111*

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Most of the  
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book have been  
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more than a  
dozen joint

papers of the  
authors.

**????-Discriminants,  
Resultants,  
and Multidimensional ...**

In  
mathematics,  
the resultant  
of two

*Page 55/111*

polynomials is  
a polynomial  
expression of  
their  
coefficients,  
which is equal  
to zero if and  
only if the  
polynomials  
have a common  
root (possibly  
in a field



extension),  
or,  
equivalently,  
a common  
factor (over  
their field of  
coefficients).  
In some older  
texts, the  
resultant is  
also called  
the

eliminant..

The resultant  
is widely used  
in number  
theory, either  
...

## **Resultant - Wikipedia**

An  
introduction  
to

*Page 58/111*

hypergeometric  
functions,  
using new  
approaches in  
algebraic  
geometry,  
combinatorics  
and  
homological  
algebra. The  
authors  
present their

*Page 59/111*

results,  
relating  
discriminants  
and resultants  
with general  
hypergeometric  
functions and  
geometry of  
convex  
polytopes and  
triangulations

•

*Page 60/111*

# **Discriminants, resultants, and multidimen sional ...**

The  
discriminant  
of a linear  
polynomial  
(degree 1) is  
rarely  
considered. If

needed, it is commonly defined to be equal to 1 (using the usual conventions for the empty product and the determinant of the empty

matrix). There is no common convention for the discriminant of a constant polynomial (degree 0).

## **Discriminant - Wikipedia**

These keywords

*Page 63/111*

were added by machine and not by the authors. This process is experimental and the keywords may be updated as the learning algorithm improves.



**A-**

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**Discriminants,  
resultants,  
and multidimen**

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sional  
determinants  
... The  
authors  
present their  
results,  
relating  
discriminants  
and resultants  
with general  
hypergeometric  
functions and

geometry of  
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polytopes and  
triangulations  
. (source:  
Nielsen Book  
Data)  
Subjects.  
Subject  
Determinants.  
Discriminant  
analysis.

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Bibliographic  
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**Discriminants,  
resultants,  
and multidimen  
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**determinants**

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scriminant  
resultants and

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multidimensional  
determinant  
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and stratton  
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school algebra

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shoah in latin  
american  
literature and

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**Midnights**

**Master**

**Warriors Donna**

**Grant**

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Pdf Manual  
contains  
important  
information  
and a detailed

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**Panterra 50cc  
90cc Dirt Bike  
Service Repair  
Pdf Manual**

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The hyperdeterminant is a generalization of the determinant in algebra. Whereas a determinant is a scalar valued function defined on an

$n \times n$  square matrix, a hyperdeterminant is defined on a multidimensional array of numbers or tensor. Like a determinant, the hyperdeterminant is a homogeneous

polynomial  
with integer  
coefficients  
in the  
components of  
the tensor.

## **Hyperdeterminant - Wikipedia**

$\$ \backslash \text{begin group} \$$

Yes, this is  
true: the

*Page 75/111*

discriminant  
is  
geometrically  
irreducible.  
This is  
proved, in  
higher  
generality, on  
page 15 (Ch.  
1.1. B) of  
Gelfand,  
Kapranov and

Zelevinsky's  
book,  
Discriminants,  
Resultants and  
Multidimension  
al  
Determinants.  
\$\\endgroup\$ -  
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Dimitrov Oct  
24 '15 at  
22:35

*Page 77/111*

**ag.algebraic  
geometry -  
irreducibility  
of  
discriminant**

...

[280]

97j:65075 Li,  
Lei; Hu, Jie

Fast parallel  
algorithms for

*Page 78/111*

Vandermonde  
determinants.  
(Chinese)  
Math. Practice  
Theory 26  
(1996), no. 3,  
223--228.  
65F40 (65Y05)  
[281]  
97j:58125  
Rugh, Hans  
Henrik

*Page 79/111*

Generalized  
Fredholm  
determinants  
and Selberg  
zeta functions  
for Axiom A  
dynamical  
systems.

Ergodic Theory  
Dynam. Systems  
16 (1996), no.  
4, 805--819.

*Page 80/111*



**A-**

**Discriminants**

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**Discriminant -**

**Wikipedia**

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175 Q&A

*Page 81/111*

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*Page 82/111*

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Mistake in  
Discriminants,  
Resultants, and

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Multidimensional ...  
Resultant -  
Wikipedia

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Manual  
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uk  
Of Gelfand's  
500+ works,*

*Page 85/111*

*Discriminants, Resultants, and Multidimensional Determinants* is currently the most cited on MathSciNet. A perusal of the long list of citations indicates the enormous influence of the book. Many of

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50cc 90cc Dirt  
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*Page 87/111*

*important  
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(Chinese) Math.  
Practice Theory 26  
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(65Y05) [281]  
97j:58125 Rugh,  
Hans Henrik  
Generalized  
Fredholm  
determinants and  
Selberg zeta  
functions for Axiom

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A dynamical  
systems. Ergodic  
Theory Dynam.  
Systems 16 (1996),  
no. 4, 805--819.

**Discriminants,  
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multidimensional**

...

"This book revives  
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the classical theory  
of resultants and

*Page 91/111*

discriminants. Most of the main new results of the book have been published earlier in more than a dozen joint papers of the authors. The book nicely complements these original papers with many examples illustrating both old

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the theory."—

**Midnights  
Master Warriors  
Donna Grant  
Discriminants,  
Resultants, and  
Multidimension  
al Determinants  
ag.algebraic  
geometry -**

*Page 93/111*

**irreducibility of  
discriminant ...  
www.maths.ed.a  
c.uk**

*A brief survey  
of A-resultants,  
A-discriminants,  
and A ...*

*In mathematics,  
the resultant of  
two polynomials  
is a polynomial*

*Page 94/111*

expression of  
their  
coefficients,  
which is equal  
to zero if and  
only if the  
polynomials have  
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field  
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either ...*

*"This book  
revives and  
vastly expands*

*Page 96/111*



*the classical  
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resultants and D  
iscriminants. Mos  
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new results of  
the book have  
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earlier in more  
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book nicely

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*complements  
these original  
papers with many  
examples  
illustrating  
both old and new  
results of the t  
heory.*"—*Mathemat  
ical Reviews*  
*"Collecting and  
extending the  
...*

*Discriminants,  
resultants, and  
multidimensional  
determinants ...  
The authors  
present their  
results, relating  
discriminants and  
resultants with  
general  
hypergeometric  
functions and*

*Page 100/111*

*geometry of  
convex polytopes  
and triangulations.*

*(source: Nielsen  
Book Data)*

*Subjects. Subject  
Determinants.*

*Discriminant  
analysis.*

*Bibliographic  
information ...*

*$\$\\begin{group}$*

*Page 101/111*

*Yes, this is true:  
the discriminant is  
geometrically  
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proved, in higher  
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Gelfand, Kapranov  
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book,  
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Resultants and*

*Page 102/111*

*Multidimensional  
Determinants.*

*\$\endgroup\$ –*

*Vesselin Dimitrov*

*Oct 24 '15 at 22:35*

*"It is very much  
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*Discriminants,  
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Multidimensional*

*Page 103/111*

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book."*

***????-Discriminants,  
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Multidimensional ...  
An introduction to  
hypergeometric  
functions, using  
new approaches in  
algebraic geometry,  
combinatorics and  
homological***

*Page 105/111*

***algebra. The authors present their results, relating discriminants and resultants with general hypergeometric functions and geometry of convex polytopes and triangulations.***

***Note: Citations are based on reference standards. However,***

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***formatting rules can vary widely between applications and fields of interest or study. The specific requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.***

***Discriminants,  
Resultants, and***

*Page 107/111*

## ***Multidimensional ...***

The discriminant of a linear polynomial (degree 1) is rarely considered. If needed, it is commonly defined to be equal to 1 (using the usual conventions for the empty product and the determinant of

the empty matrix). There is no common convention for the discriminant of a constant polynomial (degree 0).

## **Hyperdeterminant - Wikipedia**

Discriminants,  
Resultants, and  
Multidimensional  
Determinants

*Page 109/111*

Birkhäuser Boston •

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Contents ... A-

Resultants and

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Toric Varieties 1.

Mixed

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Newton polytopes

of the classical

discriminant and

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resultant .... 411

CHAPTER 13.

Discriminants and

Resultants for ...