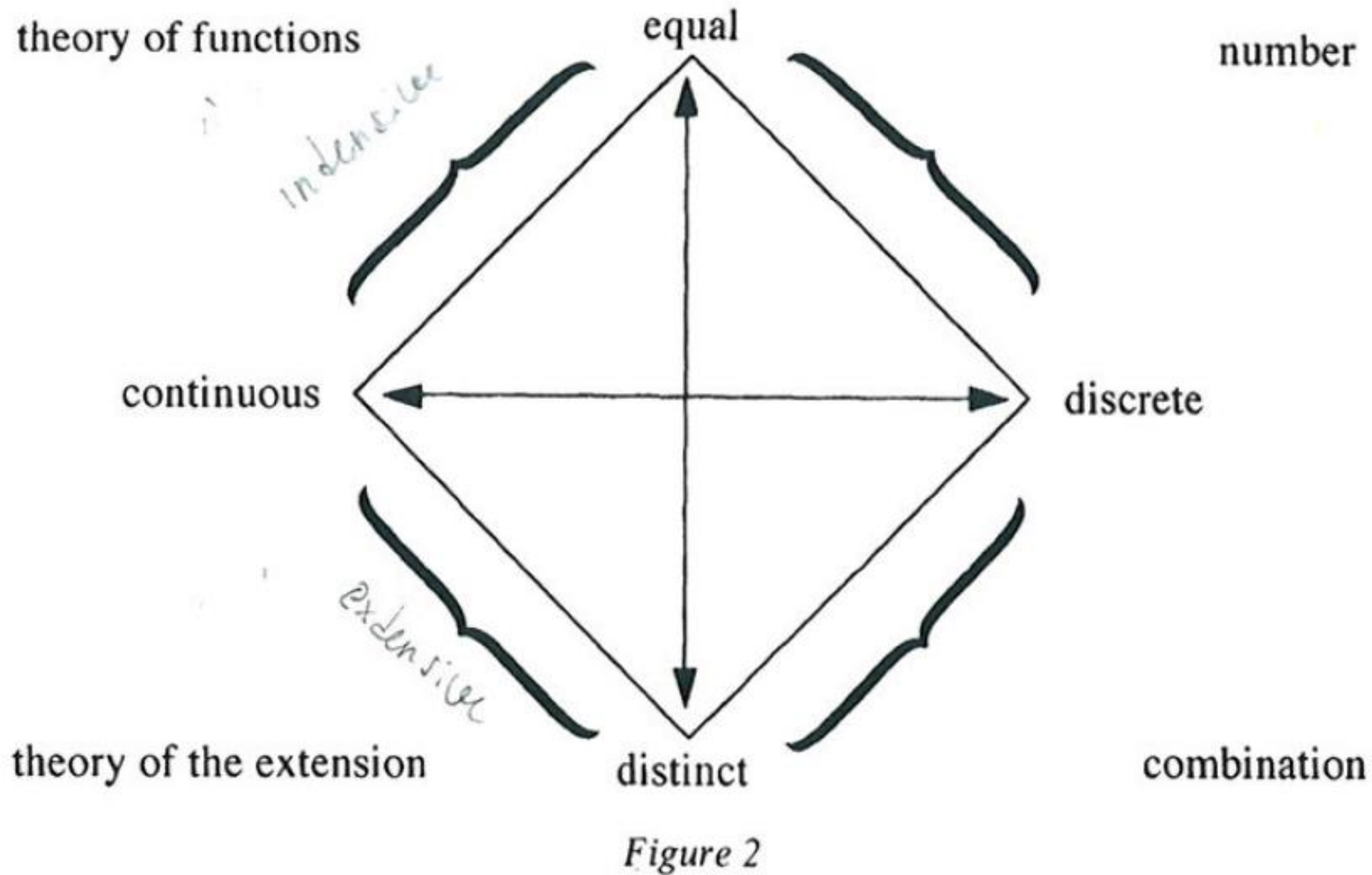


Grassmann's Quadrilateral

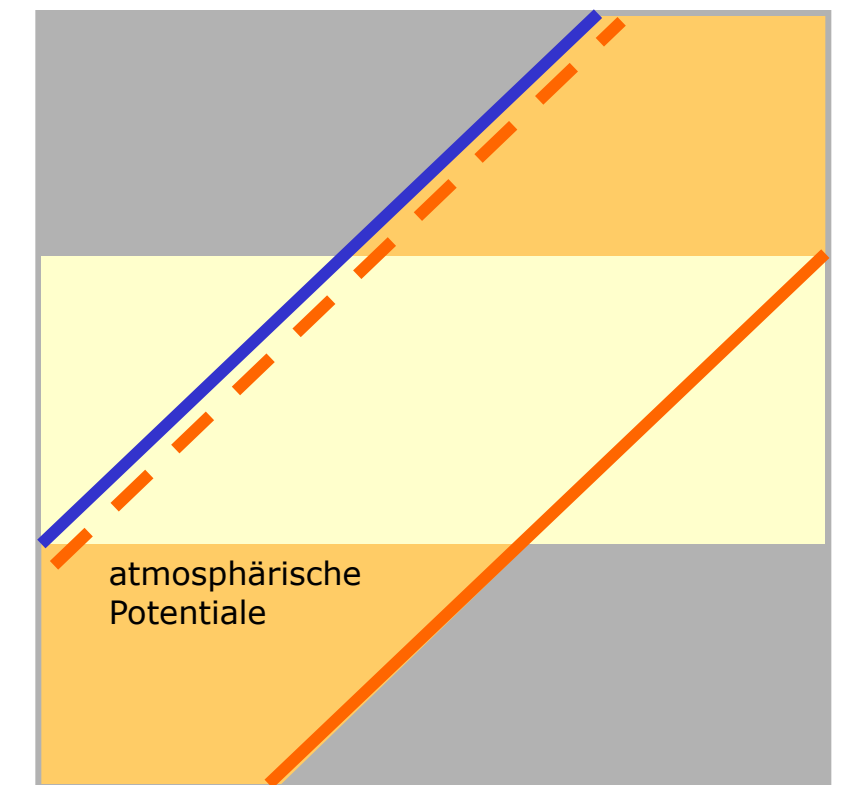
GRASSMANN'S CAPTURE OF THE EXTENSION



Quelle: Gilles Chatelet / Figuring Space – Philosophy, Mathematics, and Physics

Vereinbarte Codes
Vereinbarte Bedeutung

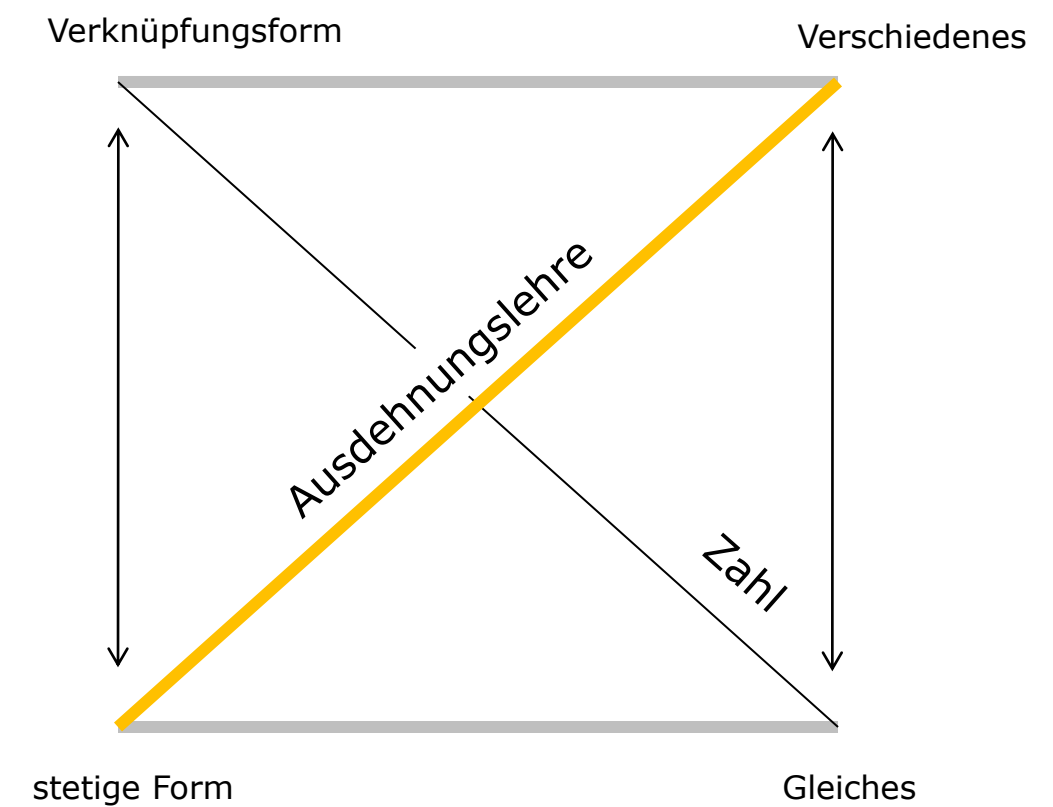
Mimetisches Material
Physiognomisches Material

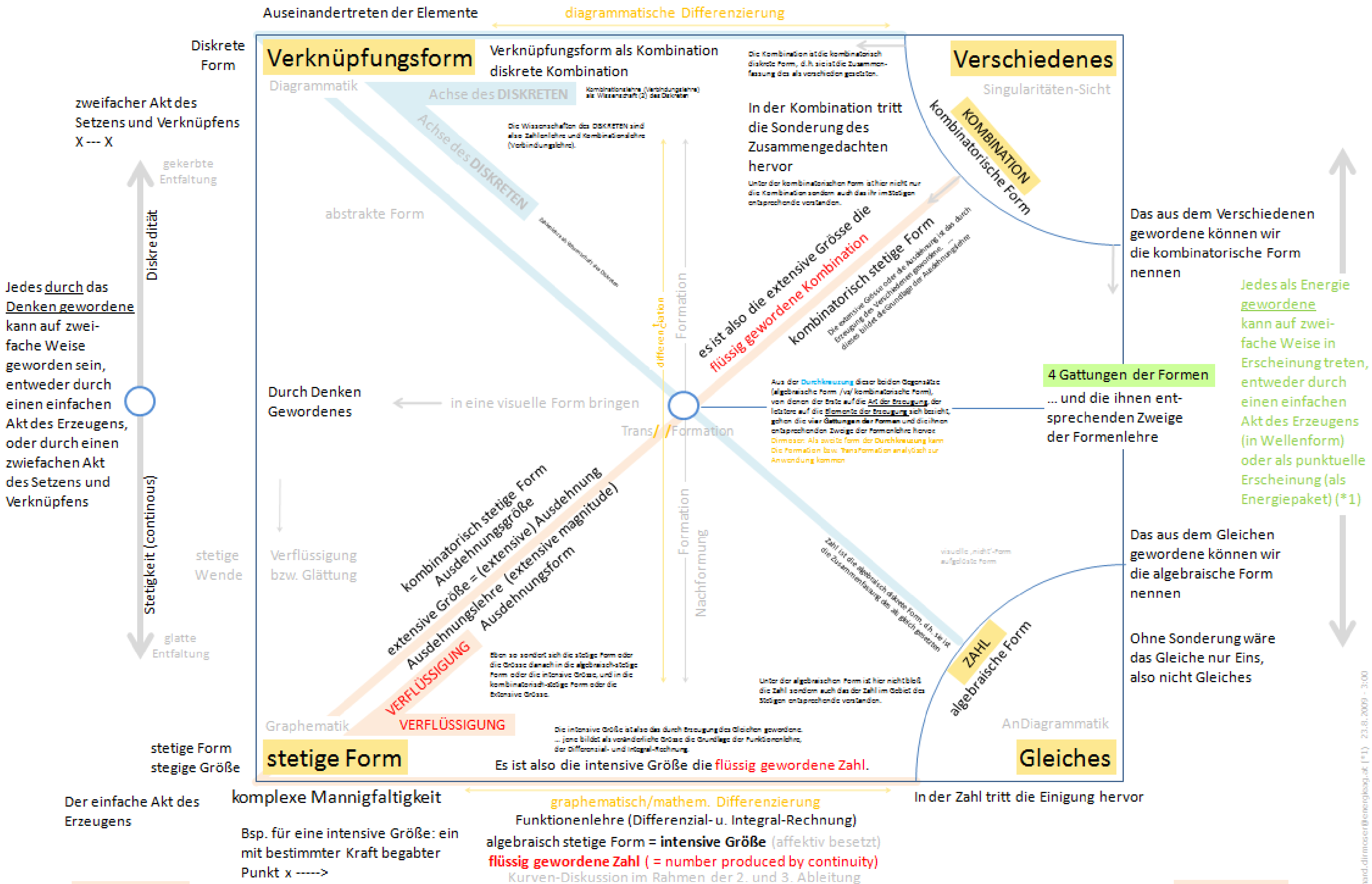


Materiale Grundlagen

Diagrammatische Grundlagen
Ordnungsgrundlagen

Was heißt es diese zwei Schemen zu kombinieren ?





Ausdehnungslehre - theory of the extension (Grassmann's Quadrilateral)

...thus balanced by the 'continuous' side, that of the forms that have become progressively

**„ungeformte“
Materie**

The extensive magnitude or extension is what has become by the generation of the diverse

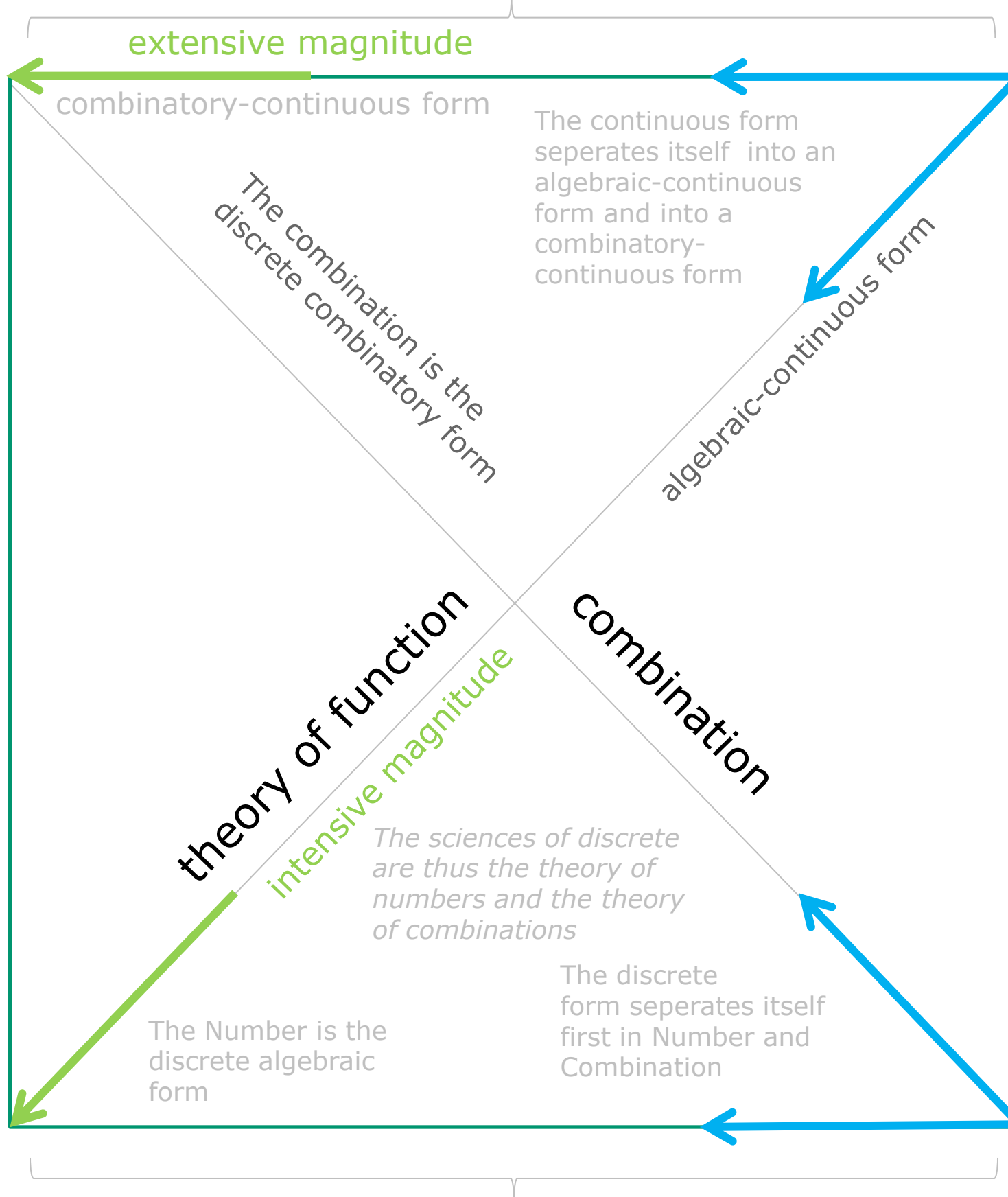
The intensive magnitude is thus what has become by the generation of the equal

**symbolisch
Definiertes**

distinct
diverse

equal

theory of extension



continuous

*magnitude
in the
narrow
sense*

dialectic of
continuous
and discrete

discrete

**graphematische
Ausformungen**

stetige Form
(continuous form)

First method:
simple
generative act

Jedes durch das
Denken gewordene
kann nur über zwei
Methoden zu einer
Form kommen

Second method:
double act of
position and
liaison

Verknüpfungsform
(discrete form or
form-liaison)

**diagrammatische
Ausformungen**

The discrete side of the forms produced 'one by one' by position and liaison, number and combination

Ausdehnungslehre - theory of the extension (Grassmann's Quadrilateral)

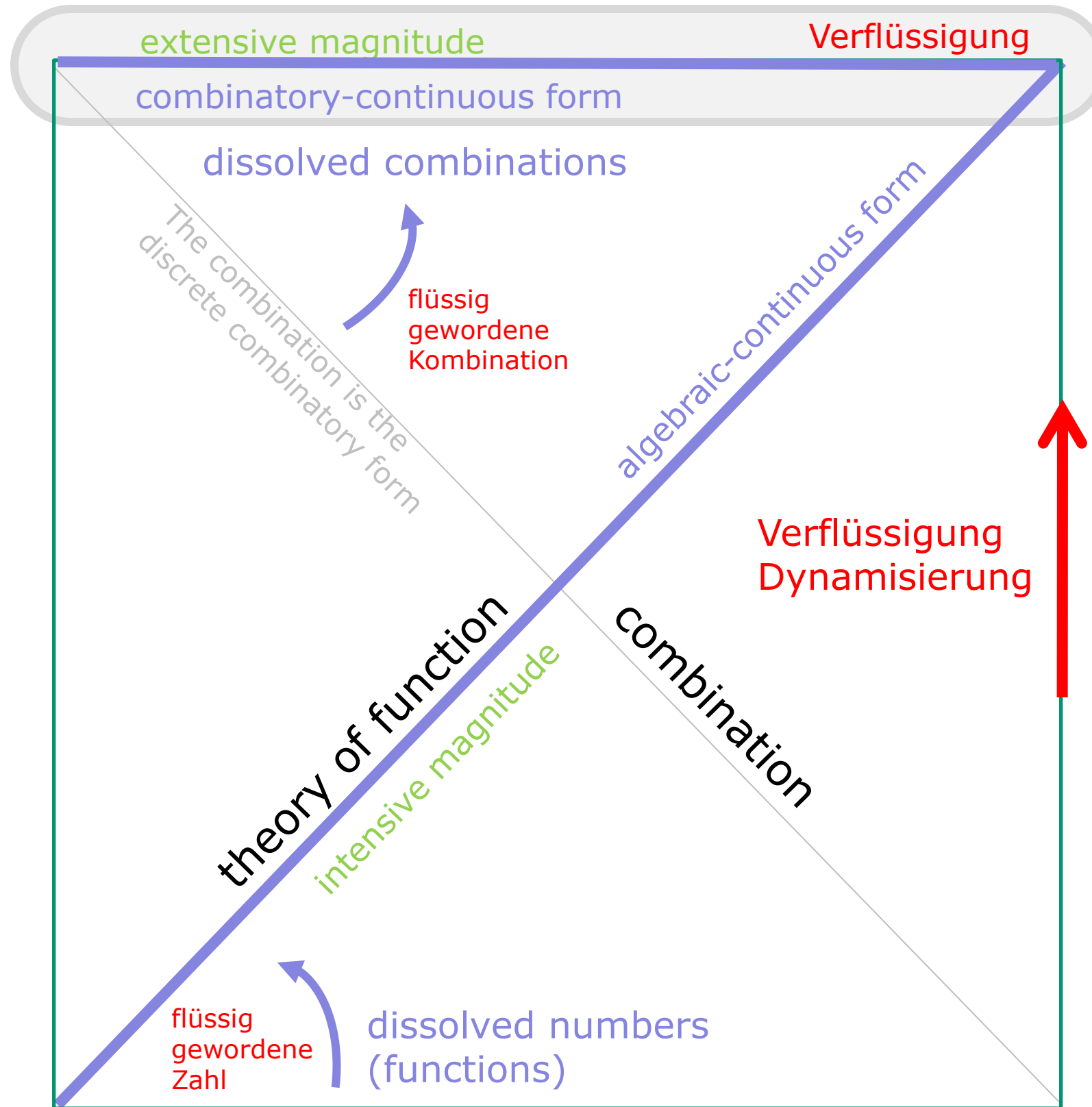
...thus balanced by the 'continuous' side, that of the forms that have become progressively

theory of extension

the extensive magnitude is the dissolved combination

The extensive magnitude or extension is what has become by the generation of the diverse

distinct
diverse



continuous

magnitude in the narrow sense

stetige Form (continuous form)

First method: simple generative act

Jedes durch das Denken gewordene kann nur über zwei Methoden zu einer Form kommen

Second method: double act of position and liaison

dialectic of continuous and discrete

Verflüssigung
Dynamisierung

theory of function

intensive magnitude

combination

dissolved numbers (functions)

flüssig gewordene Zahl

the Number is the discrete algebraic form

number

equal

discrete

Verknüpfungsform (discrete form or form-liaison)

The intensive magnitude is so to speak a dissolved number

The intensive magnitude is thus what has become by the generation of the equal

The discrete side of the forms produced 'one by one' by position and liaison, number and combination