

German Glossary

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This is something like my French Glossary, which lists words I had looked up in the dictionaries. Also, as explained in the French Glossary, I have no intention to make this glossary mathematical or to avoid redundancy, because those concerns seem pointless to me.

There's no warranty for the correctness of the explanations (and even the spelling). One should always be aware that this list is only for my personal use.

Here are some common abbreviations used in the entries:

etw *see* **etwas**

jdm *see* **jemand**

A

ab from; as of; off

abändern to alter; to amend; to revise

Abänderung *die* alteration; amendment; revision

Abbild *das* portrayal; image, likeness; (*MATH*) ???

abbilden to portray

Abbildung *die* illustration, diagram; (*MATH*) mapping

abelianisieren abelianize

abelsch/Abelsch abelian

— **e Funktion** *die* abelian function

— **Integral** *das* abelian integral

— **Varietät** *die* abelian variety

aber but, however

Abfall *der* waste; rubbish; break; drop, fall; deterioration

abfassen to write, to draft

Abgabe *die* handing in; deposition; delivery; sale; giving off; (*Sport*) pass; tax; duty; contribution

Abgang *der* dispatch; departure; leaving

abgerundete rounded off

abgeschlossen closed

abgesehen

— **von** apart from

— **davon, daß** apart from the fact that

abgrenzen to mark off, to fence off

abhandeln to treat, to deal with

jdm etw — to do a deal with sb for sth

jdm 8 Mark — to beat sb down 8 marks

abhanden

— **kommen** to get lost

jdm ist etw — **gekommen** sb has lost

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sth

Abhang *der* slope, incline

abhängen to take down, to uncouple; to hang, to depend on

abhängig dependent

Abhängigkeit *die* dependency, subordination; dependence

abkürzen to shorten, to abbreviate

Abkürzung *die* abbreviation, short cut, (*MATH*) contraction?

Ablage *die* place to keep/put sth

ablesen to read; to see

ableiten to divert, to lead out of, to deduce, to derive

Ableitung diversion, deduction; derivation; (*MATH*) derivative

abmachen to take off; to agree; to settle

Abmachung *die* arrangement

Abnahme *die* removal; decrease; purchase

Abnehmen *das* decrease

abnehmen to take off, to remove; to decrease; to purchase

abrunden to round off

abrupt abrupt

Absatz *der* (*COMM*) sales; pause, break; section, paragraph

abschätzen to estimate, to assess

Abschätzung *die* estimate; appraisal, valuation

Abschließen to lock; to conclude, to bring to a close; to transact, to take out; to cut oneself off; to finish, to end

Abschluß *der* close, conclusion; (*MATH*) closure

Abschnitt *der* section; sector, zone; (*time*) period; (*MATH*) segment
— **auf der x-Achse** x-intercept

abschwächen to lessen; to tone down

absehen to foresee
— **von** to refrain from

absichern to make safe, to safeguard; to protect

Absicherung *die* security

Absicht *die* intention, purpose

absichtlich deliberate, intentional

absolut absolute

Absolutbetrag *der* absolute value

Abstand *der* distance; (*time*) interval

abstechen to cut, to cut the throat of

Abstecher *der* detour

absteigen to get off, to dismantle; to come or go down

Abstieg *der* descent, decline

abstrakt abstract

Abstraktion *die* abstraction

abweichen to deviate; to differ

Abweichung *die* deviation; difference; divergence

abzählbar countable

Abzählbarkeit *die* countability

abzählen to count (up)

abzahlen to pay off

Achse *die* axis

achten to respect, to pay attention to

Achtung *die* attention, respect

Addition *die* addition

adisch (*MATH*) adic, eg:
I— l-adic

adjungiert adjoint, adjunct

Adjunkte *die* (*MATH*) adjoint

Adjunktion *die* (*MATH*) adjunction

affin affine

affinoid affinoid

agieren to operate, to act

ahnen to suspect, to have a presentiment of

ähnlich similar

Ähnliches ? similar things	Alter <i>das</i> age; old age
Ähnlichkeit similarity	älter older; elder
Ähnlichkeitsmatrix <i>die</i> similar matrix	alternierend (<i>MATH</i>) alternating
Aktion <i>die</i> action	Amerikaner <i>der</i> American
aktiv active	amerikanisch American
Aktualität <i>die</i> relevance (to the current situation)	ample ample
aktuell relevant (to the current situation); topical; of topical interest; current; latest	anabelsch anabelian
akut acute; pressing	analog analogous
Akzent <i>der</i> accent	Analogie <i>die</i> analogy
Algebra <i>die</i> algebra	Analyse <i>die</i> analysis
algebraisch algebraic	Analysis <i>die</i> analysis
— abgeschlossen algebraically closed	anbelangen to concern
— er Abschluß <i>der</i> algebraic closure	anbelangt concerned
Algebraisierung <i>die</i> algebraization	Anbetracht <i>der</i>
Algorithmus <i>der</i> algorithm	in — in view of
All <i>das</i> universe, space	anbieten to offer; to present itself
alle all, every; everything	Anbieter <i>der</i> supplier
das ist — s andere als that's anything but	Anblick <i>der</i> sight
allein alone, lonely	anblicken to look at
allenfalls at all events; at most	andere other, different
allerdings admittedly, certainly	unter — m among other things
allerjüngste all-youngest	andererseits on the other hand
alles everything	ändern to alter, to change
allgemein general; generally	andernfalls otherwise
Allgemeinheit <i>die</i> general public; everybody; (<i>MATH</i>) generality	andernteils ??? of the other part
Allgemeinbildung <i>die</i> general education	Änderung <i>die</i> alternation, change
Allgemeines <i>pl?</i> general	anderweitig other; otherwise; elsewhere
allmählich gradually	andeuten to indicate
allzu all too	Andeutung <i>die</i> indication, hint
als as	anerkennen to recognize, to acknowledge; to appreciate
alsdann then	Anerkennung <i>die</i> recognition, acknowledgement; appreciation
also thus	Anfang <i>der</i> beginning
alt old	anfangen to begin
	Anfänger <i>der</i> beginner
	anfänglich initial
	anfangs at first

Anfangssemester *das* first semester
anfeinden to treat with hostility
Anfeindung *die* treating with hostility
anfordern to demand; (*COMM*) to requisition
Anforderung *die* demand; (*COMM*) requisition
Anfrag *f* inquiry; question
anfragen to inquire, to ask
annföhlen to feel
Anfuhr *die* transport(ation)
anföhren to lead; to quote, to cite; to give, to offer; to name
Anföhrer *der* leader; ringleader
Anföhörung *die* leadership; command; quotation
angeben to give; to name, to cite; to explain; to declare; to indicate; to state; to maintain; to set; to give; to show off; to boast, to brag
Angeber *der* show-off, poser
angeberisch boastful; pretentious, showy
angeblich so-called, alleged; supposedly, allegedly
angeboren innate, inherent; congenital
Angebot *das* offer; bid; tender; supply; selection
angebracht appropriate; reasonable
angehören to belong to
angemessen appropriate
angemessenste most appropriate
angestrengt as hard as one can
angewandt applied
angewiesen
auf jdn/etw — **sein** to have to rely on sb/sth, to be dependent on sb/sth
auf sich selbst — **sein** to be left to one's own devices
darauf bin ich nicht — I don't need it
Anhalt *der* standing point? ground?
anhalten to stop, to last
Anhang *der* appendix, codicil
Anhöhe *die* hill
anhören to listen to, to hear; to sound
anknüpfen to fasten or tie on, (*relation*) to establish, (*talk*) to start
ankommen to arrive, to approach
Anlage *die* disposition, installation; investments, facilities; talent
Anlaß *der* cause; occasion; motivation?
anläßlich on the occasion of
anlesen to read off
anmerken to observe, to remark
Anmerkung *die* note
annähern to get closer
annähernd approximate
Annäherung *die* approach
Annahme *die* acceptance, adoption; assumption
annehmen to accept, to adopt; to assume
annullieren to annihilate
anordnen to arrange, to order
Anordnung *die* arrangement; order
Anordnungsaxiom *das* ordering axiom
anpassen to fit, to adapt
Anregung *die* suggestion
Ansage *die* announcement
ansagen to announce
anschaffen to get; to buy
Anschaffung *die* acquisition; purchase
anschauen to look at
anschaulich illustrative
Anschauung *die* view
anschließen to connect up; to link up; to join, to agree with
anschließend adjacent; subsequent; after-

wards, following

Anschluß *der* connection; extension; contact; (*MATH*) union?

Anschwellen to swell (up)

ansehen to look at

ansetzen to fix, to develop, to put on; to start, to begin, to set in

Ansicht *die* sight; view, opinion

ansprechen to speak to, to appeal to; to respond (to)

ansprechend attractive

Anspruch *der* claim

anstelle in place of

anstellen to turn on; to employ; to get up to; to do

sich — to line up; to act; to make a fuss, to act up

Anstellung *die* employment; post, position

Anstoß *der* impetus, impulse; offence

anstößen to push, to kick, to knock, to bump

anstößig offensive, indecent

anstreben to strive for

anstrengen to strain, to tire out, to fatigue

anstrengend tiring

Anstrengung *die* effort

Antwort *die* answer, reply

antworten to answer, to reply

anwachsen to grow

anweisen to instruct; to order; to allocate; to give; to transfer; *see* **angewiesen**

anwenden to apply, to use

Anwendung *die* application

Anwendungsmöglichkeit *die* possibility of application

Anzahl *die* number (of)

anziehen to attract

Anziehung *die* attraction

Approximation *die* approximation

äquivalent equivalent

Äquivalenz *die* equivalence

Äquivalenzklasse *die* equivalence class

Areal *das* area

Arbeit *die* work

arbeiten to work; to make

archaisch archaic

archimedisch archimedean

Architektur *die* architecture

Archiv *das* archive

archivieren to put into the archives

Arcuscosinus *der* arc cosine

Arcussinus *der* arc sine

Arcustagens *der* arc tangent

ärgern to annoy, to irritate; to make angry

Argument *das* argument

argumentieren to argue

Arithmetik *die* arithmetic

arithmetisch arithmetic

arm poor

Arm *der* arm; branch; sleeve

ärmlich poor; shabby; humble

armselig miserable; pathetic, pitiful; paltry

Art *die* way, kind, sort

— **und Weise** *phrase* way

Aspekt *der* aspect

assoziativ associative

Assoziativgesetz *das* associative law

assoziieren to associate

Asymptote *die* asymptote

asymptotisch asymptotic

Atem *der* breathing; breath

atmen to breathe

Atmung *die* breathing, (*MED*) respiration

auch also, too

auf on, upon

Aufbau *der* building, construction; struc-

ture	aufbauen to erect, to build (up), to construct	aufbrechen to appear, to emerge
aufblasen to blow up	Aufblasung <i>die</i> (<i>MATH</i>) blowup	Auftrag <i>der</i> order; instructions
aufdrängen to force upon	aufeinander on top of one another; at each other, for one another	im — von on behalf of
auffallen to be noticeable	auffallend striking	im — p.p.: per pro; per procurationem; by proxy
auffällig conspicuous, striking	auffassen to understand, to comprehend; to see, to view	auftragen to serve; to put on; to instruct
Auffassung <i>die</i> opinion; view, conception	aufführen to put on; to stage, to perform; to list; to cite; to give; to behave	aufreten to appear, to occur
Aufgabe <i>die</i> task; exercise; homework	aufgeben to give up	Auftritt <i>der</i> appearance, entrance; scene
aufgehen to rise, to open, to become clear; (<i>MATH</i>) to divide exactly	aufhören to stop	Aufwand <i>der</i> expenditure; extravagance; (<i>MATH</i>) complexity
auflösen to dissolve; to sort out	Auflösung <i>die</i> dissolving; solution, resolution	aufzählen to count out
aufmerksam attentive	Aufmerksamkeit <i>die</i> attention, attentiveness	Auge <i>das</i> eye
aufnehmen to pick up, to take in	aufrecht upright	Augenblick <i>der</i> moment
aufrechterhalten to maintain	Aufrechterhaltung <i>die</i> maintenance	Augmentation <i>die</i> (<i>MATH</i>) augmentation
aufs (= auf das)	aufschreiben to write down	Augmentationhomomorphismus <i>der</i> augmentation homomorphism
aufspüren <i>das</i> tracing, tracking	aufspüren to track down, to trace	augmentieren (<i>MATH</i>) to augment
aufstellen to put up, to set up, to install	Aufstellung <i>die</i> putting up, setting, installation; assertion; list, table	augmentierte (<i>MATH</i>) augmented
		ausarbeiten to work out, to elaborate
		Ausarbeitung <i>die</i> working out, elaboration
		ausarten to degenerate
		Ausbau <i>der</i> extension, expansion; removal
		ausbauen to extend, to expand, to build up; to take out, to remove
		ausdehnen to stretch, to extend, to expand
		Ausdehnung <i>die</i> stretching, expansion
		Ausdruck <i>der</i> expression, phrase
		ausdrücken to express
		ausdrucken to print out
		ausdrücklich express, explicit
		auseinander apart
		Ausfuhr <i>die</i> export
		ausführbar feasible, (<i>COMM</i>) exportable
		ausführen to carry out, to take out, (<i>COMM</i>) to export
		ausführlich detailed; in detail
		Ausführung execution, performance; exposition

Ausgang *der* way out, exit; end
Ausgangspunkt *der* starting point
ausgeartet degenerate
ausgebaut developed
ausgehen to go out, to come out
— **von** to come from, to proceed from
ausgezeichnet excellent
auskommen to come out; to get along, to manage
Ausland *das* foreign countries
Ausländer *der* foreigner
ausmachen to put out, to make out, to make up
Ausnahme *die* exception
ausnahmslos without exception
Ausnahmemenge *die* exceptional set
ausnehmen to take out, to remove
ausnehmend exceptional
ausrechnen to calculate, to reckon
ausreichen to suffice, to be enough
ausreichend sufficient, adequate
Aussage *die* statement
aussagen to say, to state
ausschließen to lock out, to disqualify, to rule out, to exclude
ausschließlich exclusive
Ausschluss *der* exclusion
Ausschnitt *der* section, (*newspaper*) clipping, (*film, etc*) excerpt
ausschweifend dissipated, debauched; extravagant
Ausschweifung *die* excess
außen outside; outwards
Außenrand *der* outer boundary
Außenwelt *die* outside world
außer out of, outside
außerdem besides, in addition; anyway
äußere outer, external
außergewöhnlich unusual
außerhalb outside
äußerlich external
äußern to say, to utter, to voice, to speak
außerordentlich extraordinary
äußerst extremely, most
aussetzen to abandon, to stop
Aussicht *die* view; prospect
aussprechen to pronounce, to speak, to express
ausstreichen to cross out, to smooth out
Austausch *der* exchange
austauschen to exchange
austeilen to distribute, to give out
Auswahl *die* selection, choice
auswählen to select, to choose
Ausweg *der* way out
auswerten to evaluate
auswirken to have an effect
Auswirkung *die* effect
auszählen to count
auszeichnen to distinguish; to honor; to decorate; to price
Auszeichnung *die* distinction; pricing; honor; awarding of decoration
automatisch automatic
automorph automorphic
Automorphismengruppe *die* automorphism group
Automorphismus *der* automorphism
Axiom *das* axiom
axiomatisch axiomatic
axiomatisieren to axiomatize
Axiomatisierung *die* axiomatization
Azyklizität *die* acyclicity

B

- bachsichtig** lenient; forbearing
Bahn *die* railroad, orbit
Bahnenintegral *das* orbital integral
bahnbrechend pioneering
bald (*time*) soon; (*location*) almost
Ball *der* ball
Ballast *der* ballast; weight, burden
Banachraum *der* Banach space
Banachscher Fixpunktsatz *der* Banach fixed-point theorem
Band *der* volume; *die* band, group; *das* ribbon, rape, bond
Base *die* base
Basis *die* basis
Basiserweiterung *die* base extension
Basiswechsel *die* base change
Bau *das* building, construction; structure; building site; burrow, hole; lodge; den; guardhouse
Bauch *der* stomach, belly; abdomen; paunch
Bauart *die* construction type; design; model
bauen to build, to construct; to make; to dig; to cause; to
 auf jdn/etw — to rely or count on sb/sth
Baustein *der* stone (for building); constituent
beachten to take note of, to obey, to observe
beachtenswert noteworthy
Beachtung *die* notice, attention, observation
beanspruchen to claim, to take up, to occupy
beantworten to answer
Bedarf *der* need *pl* requirement
bedauerlich regrettable
bedauern to be sorry for, to pity
bedenken to think over, to consider
bedenklich doubtful; dangerous, risky
bedeuten to mean; to indicate
Bedeutung *die* meaning; importance, significance
 von — **sein** to be of significance
bedienen to serve, to wait on; (*machine*) to operate
Bedienung *die* service; waiter/waitress; (*machine*) operation
bedingen to demand, to involve; to cause
bedingt limited; conditional
Bedingung *die* condition
beenden to end, to finish, to terminate
beendigen to end, to finish, to terminate
Beendigung *die* end(ing), finish(ing)
Beendung *die* end(ing), finish(ing)
befassen **sich** — **mit** to deal with, to work on
Befinden *das* health, condition; view, opinion
befinden to be, to feel
befreien to set free, to exempt
befriedigen to satisfy
befriedigend satisfactory
befruchten to fertilize, to stimulate
begabt gifted
Begabte ? gifted one
Begabung *die* talent, gift
begegnen to meet, to come upon
Beginn *der* beginning
beginnen to start, to begin
begnügen
 sich — **mit** to be satisfied or content with
begrenzen to restrict, to limit
Begriff *der* concept, term, idea
begrifflich conceptual

begründen to justify; to establish, to found	bekannt (well-)known
begründet well-founded, justified; established, founded	Bekannte <i>die</i> friend, acquaintance
Begründung <i>die</i> grounds; establishment, foundation; justification, reason	Bekannter <i>der</i> friend, acquaintance
begrüßen to meet, to welcome	bekanntlich as well known
behäbig portly, stout; comfortable	belasten to burden; to trouble, to worry
behandeln to treat, to deal with, to handle	belegen to cover, to spread; to register for; (<i>proof</i>) to verify
Behandlung <i>die</i> treatment, handling	belegt furred, hoarse, occupied
behaupten to claim, to assert	beleuchten to light, to illuminate
Behauptung <i>die</i> claim, assertion	Beleuchtung <i>die</i> lighting, illumination
beherrschen to rule, to govern, to control, to master	Belieben <i>das</i>
beherrscht controlled	nach — as you/they/etc like
Beherrschtheit <i>die</i> self-control	belieben to wish, to like
Beherrschung <i>die</i> rule, control, mastery	beliebig any, as you like, arbitrary
bei near, at, with, in, among, during, (up)on	bemerken to notice, to observe; to say, to mention
beibehalten to keep, to retain	Bemerkung <i>die</i> observation, remark, comment
Beibehaltung <i>die</i> keeping, retaining	bemühen to take trouble or pains
beide both	Bemühung <i>die</i> trouble, pains <i>pl</i> effort
beiderseits mutually, on both sides	Benehmen <i>das</i> behavior
Beiklang <i>der</i> overtone	benehmen to behave
beim (= bei dem)	benennen to name
Bein <i>das</i> leg	Benennung <i>die</i> naming; name, designation
beinah almost, nearly	benötigen to need
beindrucken to foot-print?, to walk through?	benützen to use
beindruckend foot-printed? walked through?	benutzen to use
beiseite aside, apart	Benutzung <i>die</i> utilization, use
Beispiel <i>das</i> example	beobachten to observe
zum — for example	Beobachtung <i>die</i> observation
beispielsweise for example; for instance	bequem comfortable, easy, convenient
Beitrag <i>der</i> contribution	berechnen to calculate
beitragen	Berechnung <i>die</i> calculation
— zu to contribute (to); to help (with)	Bereich <i>der</i> area; sphere (of influence, etc); field, section; (<i>MATH</i>) domain
beitreten to join	bereit ready, prepared
Beiwort <i>das</i> adjective	bereiten to prepare; to cause, to give
	bereithalten to have ready; to keep ready;

	to have in store; to stand by	beschleunigen	to accelerate, to speed up
bereits	already	Beschleunigung	<i>die</i> acceleration
Bereitung	<i>die</i> preparation	beschließen	to decide on; (<i>law</i>) to pass
Bericht	<i>der</i> report, account	beschlossen	decided, agreed
berichten	to report, to tell	beschränken	to limit
berichtigen	to correct	beschränkt	limited; (<i>MATH</i>) bounded
Berichtigung	<i>die</i> correction	beschreiben	to describe, to write on
beringt	ringed	Beschreibung	<i>die</i> description
beringter Raum	<i>der</i> ringed space	beschrieben	<i>pp</i> of beschreiben
berücksichtigen	to consider, to bear in mind	besitzen	to possess, to own; to have
Berufung	<i>die</i> vocation, calling; appointment	Besitzer	<i>der</i> owner; holder; proprietor
beruhen	to be based or founded	besondere	special, particular; separate; peculiar
beruhigen	to calm; to quieten; to comfort; to reassure; to settle; to soothe; to appease; to calm down, to ease off; to subside; to settle down; to die down, to abate	besonders	especially, particularly
Beruhigung	<i>d</i> calming; quietening; comforting; reassuring; settling; soothing; appeasement; calming down, easing off; subsiding; settling down	besprechen	to discuss; to record, to speak onto; (<i>book</i>) to review; to consult
berühmt	famous	Bestand	<i>der</i> duration, continuance
Berührungspunkt	<i>der</i> boundary point	beständig	constant, continual
berühren	to touch, to affect, to meet	Bestandteil	<i>der</i> component, part; integral part
Berührung	<i>die</i> contact	bestärken	to confirm
Berührungspunkt	<i>der</i> point of contact; (<i>MATH</i>) accumulation point, limit point	Bestärkung	<i>die</i> confirmation
besagen	to say; to mean, to imply	bestätigen	to confirm; (<i>COMM</i>) to acknowledge
besagt	said; mentioned; in question	Bestätigung	<i>die</i> confirmation; acknowledgement
beschaffen	to get, to acquire; constituted	Bestehen	<i>das</i> existence
Beschaffenheit	<i>die</i> constitution, nature	bestehen	to exist
Beschaffung	<i>die</i> acquisition	— auf	to insist on
beschäftigen	to occupy, to employ	— aus	to consist of
Beschäftigung	<i>die</i> employment, occupation	bestellen	to order; to book, to reserve; to send for, to summon; to nominate, to appoint; to till
		Besteller	<i>der</i> customer
		Bestellung	<i>die</i> ordering; booking, reservation; nomination, appointment; tilling
		beste	best
		Beste	<i>der/die/das</i> the best

bestimmen to determine	Bezeichnung <i>die</i> mark, sign; term, notation
bestimmt determined	beziehen to cover; to move into; to refer (to), to relate
—es Integral <i>das</i> definite integral	Beziehung <i>die</i> relationship
Bestimmung <i>die</i> regulation; determining; purpose	beziehungsweise or; that is, or rather; and ... respectively
Bestreben <i>das</i> endeavor, effort	Bezug <i>der</i> covering; income, salary
betonen to stress	— zu relationship (to)
Betracht <i>der</i> consideration	in — auf with reference to
betrachten to consider, to look at	bezüglich regarding, with regard to
beträchtlich considerable	Bezugnahme <i>die</i>
Betrachtung <i>die</i> examination, consideration	— auf reference to
Betrag <i>der</i> amount, sum, value; (<i>MATH</i>) absolute value; modulus	bieten to offer, to bid
absolut — absolute value	bihomomorph biholomorphic
Betragen <i>das</i> behavior	Bijektion <i>die</i> bijection
betragen to amount to, to behave	bijektiv bijective
betreffen to concern, to affect	Bijektivität <i>die</i> bijectivity
betreffend relevant, in question	Bild <i>das</i> image
betten to bed	Bildbereich <i>der</i> range
bevor before	bilden to form
bewältigen to overcome, to finish	Bildgruppe <i>die</i> image group
bewegen to move	Bildmenge <i>die</i> image set
Bewegung <i>die</i> movement, motion; emotion; exercise	Bildung <i>die</i> formation; education
Beweis <i>der</i> proof	bilinear bilinear
beweisen to prove, to demonstrate	Bilinearform <i>die</i> bilinear form
Beweisgedanke <i>der</i> idea of proof	bimeromorph bimeromorphic
Beweisskizze <i>die</i> sketch of proof	binär binary
bewerkstelligen to manage, to accomplish	Binärentwicklung <i>die</i> binary expansion
bewerten to judge; to put a value on; to assess	binden to bind, to tie
Bewertung <i>die</i> judgement; valuation; assessment	Binomialkoeffizient <i>der</i> binomial coefficient
Bewertungsring <i>der</i> valuation ring	— (<i>n</i> uber <i>k</i>) (<i>n</i> choose <i>k</i>)
bewiesen <i>pp</i> of beweisen ; proven	binomisch binomial
bezahlen to pay	— e Reihe <i>die</i> binomial series
bezeichnen to designate, to denote	— er Lehrsatz <i>der</i> binomial theorem
	birationell birational
	bis until, till; by; to; up to; down to

— auf except (for); (including) (right) down to	Bündigkeit <i>die</i> conciseness
bisher so far, up to now	Bürger <i>der</i> citizen; member of the middle class
bisherig till now	Bürgerrecht <i>das</i> civil rights
bislang hitherto	bzgl. (= bezUglich) regarding
bisweilen from time to time, at times, occasionally	bzw. (= beziehungsweise) respectively
bitte please	
bitten to ask; to pledge, to beg	C
blasen to blow; to play (instruments, etc)	Cauchyfolge <i>die</i> Cauchy sequence
Blatt <i>die</i> leaf	Cauchy-Produkt <i>das</i> Cauchy product
blätt(e)rig flaky	chaotisch chaotic
bleiben to remain	Charakter <i>der</i> character
Blick <i>der</i> glance, glimpse; look, gaze; view	charakterisieren to characterize
blicken to look	Charakteristik <i>die</i> characteristic
bloß bare, mere	charakteristisch characteristic
blühen to bloom, to be in bloom, to flourish	— es Polynom <i>das</i> characteristic polynomial
Blume <i>die</i> flower	Charaktersumme <i>die</i> character sum
Blut <i>das</i> blood	Cosinus <i>der</i> cosine
Blüte <i>die</i> blossom	Cosinus hyperbolicus <i>der</i> hyperbolic cosine
Bogen <i>der</i> curve, arch, bow	Cosinussatz <i>der</i> law of cosines
Bogenlänge <i>die</i> arc length	
brach <i>see</i> brechen	D
brauchen to need, to have to, to require	d.h. (= das heißt) i.e.
brav good, worthy, honest	da there; here; then; to that, at that; so; as, since, seeing that; when
brechen to break	dabei close to it, with them/it
Brief <i>der</i> letter	dadurch through it; thereby, in that way
bringen to bring	dafür for it; instead
Bruch <i>der</i> break, split, breach; fracture; (<i>MATH</i>) fraction	dagegen against it, in comparison with it; however
echte — proper fraction	daher therefore
Buch <i>das</i> book	dahin there, then
Buchstabe <i>der</i> letter (of the alphabet)	
Bündel <i>das</i> bundle	
-bunden <i>see</i> -binden	
Bundesrepublik <i>die</i> Federal Republic (of Germany)	
bündig concise	

damalig of that time, then
damals at that time, then
damit with it; so that
dämmern to dawn
Dämmerung *die* twilight; dusk; dawn;
half-light
danach afterwards
Dank *der* thanks
dankbar grateful; thankful; appreciative;
rewarding; hard-wearing
Dankbarkeit *die* gratitude
danke *interj* thank you, thanks
danken to express one's thanks
dankenswert commendable; kind; reward-
ing
dann then
darauf on it, toward it; afterwards
daraufhin in this respect; as a result
daraus from this
darin there in
darstellen to represent; to describe;
(*THEAT*) to act
Darstellbarkeit *die* representability
Darsteller *der* actor
Darstellung *die* representation, description
Darstellungsanzahl *die* number of repre-
sentations
darum therefore
darunter under it; among them
dasjenige the one
daß that
dasselbe the same
Daten *pl* data
datieren to date
Dauer *die* duration
dauern to last
davon of it
dazu to it/them
decken to cover
Deckung *die* covering
definieren to define
definiert defined
definit definite
positiv/negativ — positive/negative
definite
Definition *die* definition
Definitionsbereich *der* domain
degenerieren to degenerate (**zu**, into)
dehnen to stretch
demnach accordingly
demnächst shortly
denjenigen *see* **derjenige** ???
Denken *das* thinking
denken to think
denn for, because
derart in such a way, so
derartig such, this sort of
deren of them
dergleichen such
derjenige the one
derlei (= *dergleichen*) such
derselbe the same
desgleichen the same
deshalb therefore, that's why
desselbe the same
Detail *das* detail
Determinante *die* (*MATH*) determinant
Dezimalbruch *der* decimal fraction
Dezimalentwicklung *die* decimal expan-
sion
deuten to interpret
deutlich clear, distinct
deutsch German
Deutschland *das* Germany
Deutung *die* interpretation
d-fach *d*-sheet

diagonal	diagonal	Diplom	<i>das</i> diploma, degree
Diagonale	<i>die</i> diagonal	direkt	direct
diagonalisierbar	diagonalizable	direkte Summe	<i>die</i> direct sum
Diagonalmatrix	<i>die</i> diagonal matrix	disjunkt	(<i>MATH</i>) disjoint
Diagramm	<i>das</i> diagram	diskret	discrete
dicht	dense; tight, thick; (<i>MATH</i>) dense	Diskriminante	<i>die</i> discriminant
dichten	to make watertight, to seal; to write, to write poems	diskutieren	to discuss
Dichtheit	<i>die</i> density, thickness	Dissertation	<i>die</i> dissertation
Dichtigkeit	<i>die</i> density, thickness	Distributivgesetz	<i>das</i> distributive law
diejenige	that; the one	Disziplin	<i>die</i> discipline
dies	this; <i>pl</i> these	divergent	divergent
dieselbe	the same	Divergenz	<i>die</i> divergence
diesbezüglich	regarding this	dividieren	to divide
diesmal	this time	divisibel	divisible
Dieudonnémodul	<i>das</i> Dieudonné module	divisible	divisible
Differential	<i>das</i> differential	Division	<i>die</i> division
Differentialformen	<i>die</i> differential form	doch	but, nevertheless
Differentialgleichung	<i>die</i> differential equation	Doktor	<i>der</i> doctor
Differentialoperator	<i>der</i> differential operator	Doktorand	<i>der</i> Ph.D. student
Differentialrechnung	<i>die</i> differential calculus	Doktorexamen	<i>das</i> doctoral exam
Differentiation	<i>die</i> differentiation	dominant	dominant
Differenz	<i>die</i> difference	dominieren	to dominate
Differenzenquotient	<i>der</i> difference quotient	Doppelintegral	<i>das</i> double integral
Differenzial	<i>see</i> Differential	Doppelnebenklasse	<i>die</i> double coset
differenzierbar	differentiable	Doppelreihe	<i>die</i> double series
<i>n</i> -mal	— <i>n</i> times differentiable	dort	there
Dimension	<i>die</i> dimension	dortig	of that place, over there
dimensional	dimensional	Drama	<i>das</i> drama
Dimensionsgrund	<i>der</i> reason of dimension	drang	<i>see</i> dringen
Ding	<i>das</i> thing, object, matter	drängen	to push, to press, to urge
dingen	??? to hire, to engage, to bargain, to haggle	Drehachse	<i>die</i> rotation axis
diophantisch	Diophantine	Drehebene	<i>die</i> rotation plane
		drehen	to turn, to rotate
		Drehung	<i>die</i> rotation
		Drehwinkel	<i>der</i> rotation angle
		Dreieck	<i>das</i> triangle
		Dreiecksmatrix	<i>die</i>
		obere/untere	— upper/lower triangular

matrix

Dreiecksungleichung *die* triangle inequality

Dreieckszerlegung *die* triangular decomposition

dringen to penetrate

dringend urgent

Druck *der* (*PHYS*) pressure; printing, print; burden, weight

drücken to press, to pinch, to oppress

drucken to print

dual dual

dualisieren to dualize

dualisierend dualizing

Dualität *die* duality

Dualitätsprinzip *das* principal of duality

dunkel dark; deep; vague; shady, dubious

Dunkel *das* darkness

Dünkel *der* conceit, arrogance

dünn thin; watery, weak; fine; sparse

Dunst *der* mist, haze; vapor, steam

durch through, by

Durchblick *der* view; comprehension

durchblicken to look through; to understand
— **lassen** to hint at

durchdringen to penetrate, to get through

durchdringend piercing, biting, pungent

durcheinander in a mess, in confusion, confused

durchführbar feasible, practicable

Durchführbarkeit *die* feasibility, practicability

durchführen to carry out, to accomplish

Durchführung *die* execution, performance

durchlaufen to run through, traverse

Durchmesser *der* diameter

durchrechnen to calculate

Durchrechnung *die* calculation

Durchschnitt *der* average; (*MATH*) intersection

Durchschnittssatz *das* (*MATH*) intersection theorem

durchsetzen to enforce

durchsichtig transparent

Durchsichtigkeit *die* transparency

durchweg throughout, completely

dürfen may

E

eben even, smooth; just, exactly

Ebene *die* plain; (*MATH*) plane

ebenfalls likewise

ebenso just as

ebensolch just as such

ebensoviel just as much

ebensoweit just as far

ebensowenig just as little

echte genuine, typical

Ecke *die* corner; (*MATH*) angle

Effizienz *die* efficiency, effectiveness

ehe before

ehemalig former

ehemals formerly

eichen to calibrate

eigen own; particular

Eigenraum *der* eigenspace

Eigenschaft *die* quality, property

eigentlich actually, really; (*MATH*) proper

Eigenvektor *der* eigenvector

Eigenwert *der* eigenvalue

eignen to be suited

eilen to hurry, to be urgent

einander one another, each other

einbetten to embed
Einbettung *die* embedding
eindeutig unambiguous, clear; (*MATH*)
 unique
Eindeutigkeit *die* (*MATH*) uniqueness
eindringen to break in(to), to invade, to
 penetrate
Eindringen *das* infusion, intrusion, pene-
 tration
eineindeutig (*MATH*) one to one
einerseits on the one hand
einfach simple
einfallen to fall in, to collapse; to join in
Einfluß *der* influence
Einführ *die* import
einführen to bring in, to introduce, to im-
 port
Einführung *die* introduction
Eingabe *die* petition; input
Eingabedaten *pl* input data
Eingabefehler *der* input data error
Eingang *der* entrance, arrival
eingehen to come in, to enter into
eingehend in-depth, thorough
Eingeweihte *die* initiate
Eingeweihter *der* initiate
Eingreifen *das* intervention
eingreifen to intervene, to interfere
Einheit *die* unity, unit
einheitlich (*MATH*) unitary?
Einheitskreis *der* unit circle
Einheitsmatrix *die* identity matrix, unit
 matrix
Einheitsvektor *die* unit vector
Einheitswurzel *die* root of unity
einhüllen to wrap
Einhüllende *die* envelope
einig united

einige some
einigen to unite
sich — to agree
einigermaßen somewhat, reasonably
Einigkeit *die* unity, agreement
Einigung *die* agreement
einklammern to put in brackets, to bracket
Einklang *der* harmony
einladen to invite; to load
Einladung *die* invitation
einlagern to store
Einlagerung *die* storage
einleiten to introduce
Einleitung *die* introduction
einmal once
einnehmen to take, to take up
einordnen to arrange, to fit in; to adapt
einräumen to put away; to give up; to ad-
 mit, to concede
einsam lonely; solitary; isolated
einsammeln to collect
Einsatz *der* use; (*military*) mission; stake;
 insert
einschalten (*electricity*) to switch on; to in-
 sert; to intervene
Einschlag *der* impact
einschließen to lock in, to lock up; to sur-
 round; to include, to comprise
einschließlich including, inclusive of
Einschnitt *der* cut; incision; gap; decisive
 event
einschränken to limit, to restrict; to reduce
Einschränkung *die* restriction, limitation;
 reduction
einsehen to inspect, to recognize, to see
einsetzen to put in, to insert; to appoint, to
 install; to start, to come in; (*MATH*) to
 substitute?

Einsetzung *die* appointment
Einsicht *die* insight; look, inspection
einsichtig judicious
einspielen to warm up, to work out, to bring in
einstellen to employ; to stop; to adjust; to arrive
Einstellung *die* employment; adjustment; attitude
Einstieg *der* entry
einstimmen to join in; (*MUS*) to tune; to put in the mood
einteilen to divide, to assign
Einteilung *die* division, assignment
Eintrag *der* entry
einverstanden sein to agree
Einverständnis *das* agreement, consent
Einwand *der* objection
einwandfrei perfect
einweihen to consecrate, to open, to inaugurate
Einweihung *die* consecration, opening, inauguration, initiation
einwenden to object
einwurzeln to be rooted in
einzel individual; separate; single, solitary; some
Einzenschrift *die* monograph
einziehen to put in; to retract, to draw in; to pull in; to call up, to draft; to requisition; to collect; to withdraw; to confiscate; to move in; to march in; to come
einzig only, unique
Einzigkeit *die* uniqueness
Eis *das* ice; ice cream
Eisen *das* iron
eisern iron; unflagging, unshakable
eisig icy
Eisensteinreihe *die* Eisenstein series
Element *das* element; cell, battery
elementar elementary, elemental
elementarsymmetrisch Polynom *das* elementary symmetric polynomial
Elementarteiler elementary divisor
Elimination *die* elimination
Eliminationsverfahren *das* elimination method
eliminieren to eliminate
Ellipse *die* ellipsis; (*MATH*) ellipse
elliptisch elliptic
empfehlen to recommend
empfinden to feel
empfindlich sensitive
empfindsam sentimental
Ende *das* end
enden to end
endlich finally; (*MATH*) finite
— **erzeugt** finitely generated
— **e Erzeugbarkeit** finite-generatedness
endlichblättrig finite-sheeted
endlichdimensional finite dimensional
Endlichkeit *die* finiteness
Endlichkeitsaussage *die* finiteness statement
Endlichkeitssatz *der* finiteness theorem
Endomorphismus *der* endomorphism
Endpunkt *der* endpoint
eng narrow, tight, close
Englisch *das* English
enorm enormous
entarten to degenerate
Entartung *die* degeneration
entbehrlich superfluous
entdecken to discover
Entdeckung *die* discovery
entfalten to unfold, (*talent*) to develop

Entfaltung <i>die</i> unfolding, (<i>talent</i>) development	Erbe <i>der</i> heir; <i>das</i> inheritance, heritage
entfernen to remove, to expel; to go away, to retire, to withdraw	erben to inherit; to get, to be given
entfernt distant	erbringen to produce; to furnish
Entfernung <i>die</i> distance; removal	ereignen to happen
entgegenarbeiten to work against	erfahren to learn, to find out; to experience; experienced
entgegensetzen to set sth against sth	Erfahrung <i>die</i> experience
entgegenstehen to stand in the way of, to be an obstacle to	Erfahrungsaustausch <i>der</i> exchange of experience
entgegenstellen <i>see</i> entgegensetzen	erfahrungsgemäß according to experience
— sich jdm/einer Sache to oppose sb/sth	erfinden to invent
entgegen contrary to, against; towards	Erfolg <i>der</i> success; result
enthalten to contain	erfolgen to take place; (<i>MATH</i>) to factor through
entlegen remote	erfolglos unsuccessful
entscheiden to decide	erfolgreich successful
sich — to make up one's mind	erforderlich requisite, necessary
entscheidend decisive, crucial	erfordern to require, to demand
Entscheidung <i>die</i> decision	Erfordernis <i>das</i> requirement, prerequisite
entsinnen to remember	erfreuen to enjoy, to delight
entspr. (= <i>entsprechend</i>)	erfreuliche pleasing, gratifying
entsprechen to correspond; to meet, to comply with	erfüllen to fill, to fulfil
entsprechend appropriate; accordingly	Erfüllung <i>die</i> fulfilment
Entsprechung <i>die</i> equivalent; parallel; correspondence	erfunden invented
entspringen to rise, to spring from	ergänzen to supplement, to complement
entstehen to arise, to result	ergänzend complementary
entweder either	ergänzt completed
entwickeln to develop	Ergänzung <i>die</i> complement, supplement
Entwickler <i>der</i> developer	Ergänzungssatz <i>der</i> complementary theorem
Entwicklung <i>die</i> development; (<i>MATH</i>) development, expansion (for power series, etc)	ergeben to yield, produce
Epimorphismus <i>der</i> epimorphism	sich — (aus) to result (from)
erahnen to suspect?	Ergebnis <i>das</i> result
Erahten ? suspected one?	ergiebig productive
	Erhalt <i>der</i> receipt
	erhalten to obtain, to receive; to preserve, to maintain; to last
	— bleiben to survive, to remain preserved

erhältlich obtainable, available	ernsthaft serious
schwer — difficult to obtain, hard to come by	ernstlich serious
Erhaltung <i>die</i> maintenance, preservation	ernten to harvest
erheben to raise; to get up; to rise	eröffnen to open; to present itself
erhebend elevating, uplifting; impressive	erörtern to discuss (in detail)
erheblich considerable; serious; pertinent	erraten to guess
erhöhen to raise, to increase	Erratung <i>die</i> guessing
erinnern to remind, to recall	erreichbar attainable
Erinnerung memory, recollection, reminder	erreichen to reach, to achieve
erkennen to recognize, to detect	Errungenschaft <i>die</i> achievement, acquisition
Erkenntnis <i>die</i> knowledge, recognition, insight	Ersatz <i>der</i> substitute, replacement; substitution
Erkennung <i>die</i> recognition	erscheinen to appear
erklären to explain, to define; to announce	Erscheinung <i>die</i> appearance, phenomenon
Erklärung <i>die</i> explanation; declaration	erschöpfen to exhaust
erkecklich considerable	erschöpfend exhaustive, thorough
erlangen to attain, to achieve	erschöpft exhausted
erlauben to allow, to permit	erschöpftend exhausting, exhaustive
erläutern to explain	ersehen to gather (from)
Erläuterung <i>die</i> explanation	ersetzen to replace; (<i>MATH</i>) to substitute
erleben to experience	Ersetzung <i>die</i> replacing; reimbursement; (<i>MATH</i>) substitution
Erlebnis <i>das</i> experience	ersichtlich evident, obvious
erleichtern to make easier, to facilitate; to lighten; to relieve	ersinnen to devise, to think up
erleichtert relieved	erst first; only; not till
erlernen to learn, to acquire	erstaunen to astonish, to be astonished
Erlernte ? learned one	erstaunlich astonishing
ermitteln to determine, to ascertain; to investigate	erstmalig first
Ermittelung <i>die</i> determination, ascertaining; investigation	erstmals for the first time
ermöglichen to make possible	erstrebenswert desirable, worthwhile
ermuntern to rouse; to encourage; to liven up; to cheer up	erstrecken to extend, to stretch
ernennen to appoint	erübrigen to spare, to be unnecessary
erneuern to renew; to restore; to renovate	erwähnen to mention
Ernst <i>der</i> seriousness	Erweiterung <i>die</i> extension
	erwarten to expect
	Erwartung <i>die</i> expectation
	erweisen to prove

sich als etw — to prove to be sth, to turn out to be sth	exakt exact
sich jdm gegenüber dankbar — to show one's gratitude to sb	Examen <i>das</i> examination
erweitern to widen, to enlarge; to expand; to let out; to dilate; to broaden; to extend; (<i>MATH</i>) to extend	Existenz <i>die</i> existence
Erweiterung <i>die</i> widening, enlargement; expansion; letting out; dilation; broadening; extension; (<i>MATH</i>) extension	existieren to exist
erwerben to acquire	explizit explicit
erwidern to reply, to return	Exponent <i>der</i> exponent
erwiesen proven	Exponentialfunktion <i>die</i> exponential function
Erzeugbarkeit <i>die</i>	Extrapolation <i>die</i> extrapolation
endliche — finite-generatedness	Extrem <i>das</i> extreme
erzeugen to produce; (<i>MATH</i>) to generate	Extremum <i>das</i> extremum
Erzeugend <i>das?</i> generator	lokales — local extremum
Erzeugendensystem <i>das</i> system of generators	exzellent excellent
Erzeugnis <i>das</i> product; produce	
Erzeugung <i>die</i> production; generation; creation	F
erziehen to bring up; to education, to train	Fach <i>die</i> compartment, subject
Erzieher <i>der</i> educator; (<i>in Kindergarten</i>) nursery school teacher	Fachbereich <i>der</i> (special) field; school, faculty
erzieherisch educator's	Faden <i>der</i> thread, string
Erziehung <i>die</i> bringing up; education	fähig capable (of), able (to)
erzielen to achieve, to obtain	Fähigkeit <i>die</i> ability
erzwingen to force, to obtain by force	Faktor <i>der</i> factor
erzwungen <i>pp</i> of erzwingen	Faktorgruppe <i>die</i> factor group
etale (<i>MATH</i>) étale	faktorisieren factorize
Etappe <i>die</i> stage	Fakultät <i>die</i> faculty; (<i>MATH</i>) factorial
etwa about, approximately; for instance	Fall <i>der</i> case
etwaig possible	fallen to fall; (<i>war</i>) to fall, to be killed
etwas something; anything; some; any	fallend falling; (<i>MATH</i>) decreasing
— better somewhat better, a little better	falls in case, if
euklidisch Euclidean	falten to fold, to wrinkle
eventuell possible; possibly, perhaps	Faltung <i>die</i> folding, convolution
	Faser <i>die</i> fiber
	Faserraum <i>der</i> fiber bundle?
	Faserung <i>die</i> fibration?
	fassen to grasp, to catch, to hold
	Fassung <i>die</i> mounting; socket; version;

composure
fast almost
Fehlen *das* absence
fehlen to be wanting or missing; to absent
Fehler *der* mistake; (*MATH*) error
fehlerfrei perfect; faultless, flawless; correct
fehlerhaft faulty, defective; substandard;
 imperfect; incorrect; poor
fehlerlos *see* **fehlerfrei**
fein fine; refined; keen
feinführend sensitive
feinfühlig sensitive
Feingefühl *das* sensitivity, delicacy
Feinheit *die* fineness; refinement; keenness
Feld *das* field; (*MATH*) stack
Fenster *das* window
Ferien *pl* holidays, vacation
fern far-off, distant
Ferne *die* distance
ferner further; in future
fertig finished, ready
fertigen to manufacture
fest firm, solid; (*MATH*) fixed
festhalten to seize, to hold fast
Festkomma *das* (*COMPUT*) fixed point
Festkommaarithmetik *die* (*COMPUT*)
 fixed point arithmetic
festlegen to specify
festsetzen to fix, to settle, to arrange
Festsetzung *die* fixing, arrangement; de-
 tention
feststehen to be certain
feststellen to lock fast; to ascertain, to es-
 tablish
Filtration *die* (*MATH*) filtration
filtrieren to filtrate
finden to find, to think
fixieren to fix
Fixkörper *der* fixed field
Fixpunkt *der* fix point
Fixpunktgruppe *die* fix point group
Fixpunktsatz *der* fix point theorem
flach flat
Fläche *die* area, surface
Fließkomma *das* (*COMPUT*) floating
 point
Fließkommaarithmetik *die* (*COMPUT*)
 floating point arithmetic
Flucht *die* flight; escape; (*window*) row;
 (*room*) suite; ...
flüchten to flee; to take refuge
flüchtig fugitive; (*CHEM*) volatile; cursory;
 fleeting
Flug *die* flight
Folge *die* series, sequence; consequence;
 (*MATH*) sequence
folgen to follow
folgend following
Folgende *das?* following one
folgendermaßen like this, as follows
folgenlos without consequences
folgenschwer serious
folgern to conclude
Folgerung *die* conclusion; (*MATH*) corol-
 lary
Folgezeit *die* Future
Fond *der* back; background; (*cook*) meat
 juices
Fonds *der* fund; governmental bond
fordern to demand; to claim
fördern to support, to help
Forderung *die* demand; claim
Förderung *die* support, encouragement,
 help
Form *die* form
formal formal

Formalismus <i>der</i> formalism	Freiheit <i>die</i> freedom
Formel <i>die</i> formula	Freiheitsgrad <i>der</i> degree of freedom
-formig -shaped, -formed	freilich certainly, admittedly
formulieren to formulate	freuen to make happy or pleased; to be glad or happy
Formulierung <i>die</i> wording, formulation	Freund <i>der</i> friend; boyfriend
forschen to search, to do research	Frieden <i>der</i> peace
Forscher <i>der</i> research scientist	frisch fresh; lively
Forschung <i>die</i> research	Frobeniuselement <i>das</i> Frobenius element
fortführen to continue, to carry on; to take away	Frucht <i>die</i> fruit
Fortführung <i>die</i> continuation	fruchten to be of use
Fortschreiten <i>die</i> progress	früh early
fortschreiten to progress, to advance	früher earlier, former
Fortschritt <i>der</i> advance	fügen to place, to join
Fortsetzbarkeit <i>die</i> possibility (i.e. exist- tence) of continuation	sich — to be obedient, to adapt oneself to
fortsetzen to continue (<i>MATH: e.g. ana-</i> <i>lytic continue</i>), to extend	föhlen to feel
Fortsetzung <i>die</i> continuation (<i>MATH: e.g.</i> <i>analytic continuation</i>), extension	föhren to lead
fortwährend incessant, continual	Föhrtung <i>die</i> leadership
Fourierreihe <i>die</i> Fourier series	Fülle <i>die</i> wealth, abundance
Fouriersch Fourier	föhlen to fill, to stuff
—e Reihe <i>die</i> Fourier series	Fundamentalbereich <i>der</i> fundamental do- main
Fouriertransformation <i>die</i> Fourier trans- formation	Fundamentalgroupoid ? fundamental groupoid
Frage <i>die</i> question	Fundamentalgruppe <i>die</i> fundamental group
fragen to ask	Fundamentalsystem <i>das</i> fundamental sys- tem
Fragenkomplex <i>der</i> complex of questions	fundieren to back up
Fragestellung <i>die</i> posing/formulation of a question	Fundierung <i>die</i> foundation
Fraktur <i>die</i> (<i>Typ</i>) Gothic print; (<i>Med</i>) frac- ture	Funktion <i>die</i> function
Französisch <i>das</i> French	Funktionalanalysis <i>die</i> functional analysis
französisch French	Funktionalmatrix <i>die</i> Jacobian matrix
frappant striking	Funktionaldeterminante <i>die</i> Jacobian de- terminant
frappieren to astound	Funktionenkörper <i>der</i> function field
frei free	Funktionentheorie <i>die</i> theory of functions
	funktionentheoretisch function-theoretic

funktionieren to function
Funktor *der* functor
Furcht *die* fear
fürchten to be afraid of, to fear
Fuß *der* foot, base, leg
Fußnote *die* footnote

G

Gabe *die* gift
Galoisgruppe *die* Galois group
galoissch Galois
Gammafunktion *die* Gamma function
Gang *der* walk, way of walking, gait; errand; walk; course; development; operation; passage; corridor; hallway; landing; gangway; tunnel, gallery; duct; vein; thread; gear
ganz whole, entire
— **abgeschlossen** integrally closed
— **e Zahl** *die* integer
— **er Abschluß** *der* integral closure
gänzlich complete, entire
ganzrationale Funktion *die* polynomial
ganzzahlig integral
gar quite
— **nicht** not at all
Garbe *die* sheaf
Gattung *die* (*BIOL*) genus; kind
Gauß-Elimination *die* Gauss elimination
Gaußsche Summe *die* Gaussian sum
Gebäude *das* building
geben to give
Gebiet *das* area, field, region, domain; (*MATH*) region
gebieten to command, to demand
Gebilde *das* object, structure
gebildet cultured, educated
geboten *pp* of **bieten**, **gebieten**; advisable, necessary, imperative
Gebrauch *der* use, custom
gebrauchen to use
gebrochen *pp* of **brechen**
gebrochenrationale Funktion *die* rational function
Gebühr *die* charge; postage; fee; commission; license
nach — suitably, properly
über — excessively
gebühren to be due (to); to be proper or fitting
gebührend due; suitable; proper
gebunden *pp* of **binden**
Gedächtnis *das* memory
Gedanke *der* thought, idea, concept
gedanken to remember
Gedankengang *der* course of idea
gedanklich intellectual; imaginary
Gedeih *der* thriving, prospering
Gedeihen *das* thriving, prospering
gedeihen to thrive, to prosper
Gedenken *das* remembrance
gedenken to remember, to intend
Geduld *die* patience
gedulden to be patient
geduldig patient
geeignet suitable
Gefahr *die* danger
gefährlich dangerous
Gefälle *das* slope; gradient
Gefallen *der* favor *das* pleasure
gefallen *pp* of **fallen**; to please
Gefühl *das* feeling
gefunden *pp* of **finden**
gegeben *pp* of **geben**; given

gegen against; towards
Gegenbeispiel *das* counter example
Gegensatz *der* contrast; (*MATH*) converse theorem?
Gegenstand *der* object
gegenständig objective, concrete
gegenstandslos irrelevant
Gegenteil *das* opposite, reverse
gegenteilig opposite
gegenüber opposite, with regard to, in comparison with
Gegenwart *die* present
gegenwärtig present, at present
gehauen *pp* of **hauen**
geheim secret, classified
Geheimnis *das* secret, mystery
geheimnisvoll mysterious
Geheimwissenschaft *die* secret science
gehen to go
gehoben *pp* of **heben**
gehorschen to obey
gehören to belong; to be right or proper
gehörig proper
— **zu** belonging to
Geist *der* spirit; ghost; mind
gelang *pp* of **gelingen**
gelangen to reach, to attain
geläufig common
gelegen *pp* of **liegen**; situated; convenient, opportune
Gelegenheit *die* opportunity, occasion
gelegentlich occasional; on the occasion of
gelehrig quick to learn
gelehrt learned, erudite; scholarly
gelernt skilled
Gelernte ? learned one
gelingen to succeed
Gelingen *das* success; successful outcome
gelocht *pp* of **lochen**
gelten to be valid, to be enforce, to be effective
geltend current; in force, prevailing
Geltung *die* validity; prestige
gelungen *pp* of **gelingen**; successful
gemächlich leisurely
gemäß in accordance to; appropriate to
gemein common
gemeinsam joint, common; together
Gemeinsamkeit *die* common ground
gemeinschaftlich (= *gemeinsam*)
gemessen *pp* of **messen**; measured
gemischt mixed
genannt *pp* of **nennen**
genau exactly
genau dann then and only then; (*MATH*) if and only if
Genauigkeit *die* exactness, accuracy
genauso exactly the same
genehmigen to approve, to authorize
Genehmigung *die* approval, authorization
Generation *die* generation
generisch generic
genommen *pp* of **nehmen**
genug enough
genügen to be enough; to satisfy
genügend sufficient; satisfactory
Geometrie *die* geometry
geometrisch geometric
— **e Reihe** *die* geometric series
geordnet well-ordered
Gerade *die* straight line
gerade straight, upright; just; (*MATH*) even (number)
Geradenbündel *das* line bundle
geradezu virtually, almost
geradlinig straight

gerecht just, fair
Gericht *das* court
gerichtlich judicial, legal
gern willingly, gladly
gesamt whole, entire; total, complete
Gesamtheit *die* totality, whole
geschah *see* **geschehen**
geschaffen *pp* of **schaffen**
geschehen to happen
Geschehen *das pl* events, *pl* happenings
Geschichte story, affair, history
geschichtlich historical, historic
Geschick *das* skill
Geschicklichkeit *die* skill, dexterity
geschickt skillful, clever, agile
geschieden *pp* of **scheiden**
geschieht *see* **geschehen**
Geschlecht *das* sex, gender; (*MATH*) genus
geschlossen *pp* of **schließen**; closed; unified
in sich — self-contained; well-rounded; well-knit
Geschlossenheit *die* unity
Geschmack *der* taste; flavor; sense of taste
geschult *pp* of **schulen**; schooled, trained
geschweige (denn) let alone, not to mention
Gesetz *das* law, rule
gesetzmäßig lawful
gesetzt sedate; (*MATH*) fixed?
gesprochen *pp* of **sprechen**
Gestalt *die* form, shape, figure
gestalten to shape, to form; to arrange, to organize
sich — (**zu**) to turn out (to be)
Gestaltung *die* formation, organization
gestatten to permit, to allow
gestehen to confess
gestern yesterday
gesucht desired, sought after
gesund healthy
Gesundheit *die* health
getan *pp* of **tun**
getrennt separate
getreu faithful
gewählt (*speech*) refined, elegant
Gewalt *die* power, force, violence
gewann *see* **gewinnen**
gewesen *pp* of **sein**
Gewicht *das* weight, importance
gewichten to evaluate
gewinnen to win, to gain, to extract
gewinnend winning, attractive
Gewinner *der* winner
gewiß certain
gewiss sure! certainly!
Gewissen *das* conscience
gewöhnen to get used to, to be used to
Gewohnheit *die* habit, custom
gewöhnlich usual, ordinary, common
gezeichnet marked
gezeigt *pp* of **zeigen**
gilt *see* **gelten**
Gitter *das* (*MATH*) lattice
gitterformig lattice-shaped
Gittermasche *die* fundamental parallelo-
tope of a lattice
Glanz *der* gleam; shine; sparkle; sheen; gloss;
glare; radiance; glory; splendor
glänzen to shine, to glisten; to sparkle; to
glare; to be shiny
glänzend shining; radiant; dazzling; glisten-
ing; sparkling; glossy, shiny; brilliant;
dazzling; splendid
glatt smooth
glauben to believe

gleich	same, equal	größenteils	for the most part
gleichbedeutend	synonymous; (MATH) equivalent (to)?	größte	largest
gleich	to to like, to resemble	Größtmaß	<i>das</i> maximum amount
gleichfalls	likewise	größtmö glich	greatest possible
gleichgültig	indifferent; apathetic; trivial	Groupoid	? groupoid
Gleichgültigkeit	<i>die</i> indifference, apathy	Grund	<i>der</i> ground, reason
Gleichheit	<i>die</i> equality	gründen	to found; to base; to set up
Gleichheitszeichen	<i>das</i> equality symbol	Grundgebriff	<i>der</i> basic concept
gleichmäßig	even, equal; (MATH) uniform	Grundgedanke	<i>der</i> basic idea
gleichmäßig stetig	uniformly continuous	Grundidee	<i>die</i> fundamental idea, philosophy
Gleichung	<i>die</i> equation	Grundkörper	<i>der</i> ground field
Gleichungssystem	<i>das</i> system of equations	Grundlage	<i>die</i> foundation
gleichzeitig	simultaneous	grundlegend	fundamental
Glied	<i>das</i> member; limb; penis; link	Grundobjekt	<i>das</i> ground object
global	global	Grundsatz	<i>der</i> principle
Globalisierung	<i>die</i> globalization	grundsätzlich	fundamental, of principle
Glockenkurve	<i>die</i> bell-shaped curve?	Grundschema	<i>das</i> ground scheme
Grad	<i>der</i> degree, order	Grundzug	<i>der</i> essential feature or trait
Gradgrund	<i>der</i> reason of degree	Gruppe	<i>die</i> group
Gradient	<i>der</i> (MATH) gradient	Gruppencharakter	<i>der</i> group character
Graph	<i>der</i> (MATH) graph	Gruppenerweiterung	<i>die</i> group extension
Graphentheorie	<i>die</i> graph theory	Gruppenhomomorphismus	<i>der</i> group homomorphism
greifbar	tangible, concrete	Gruppenschema	<i>das</i> group scheme
greifen	to grasp, to seize, to grab	Gruppentafel	<i>die</i> group table
Grenze	<i>die</i> border, frontier, boundary, limit	gruppentheoretisch	group theoretic
grenzen an	to border on	Gruppentheorie	<i>die</i> group theory
Grenzgebiet	<i>das</i> border area	gruppieren	to group
Grenzwert	<i>der</i> limit; (MATH) limit, limit value	Gruß	<i>der</i> greeting; (MIL) salute
einseitiger	— one-sided limit	grüßen	to greet; (MIL) to salute
Griechen	<i>der</i> Greek	gültig	valid
Griechenland	<i>das</i> Greece	Gültigkeit	<i>die</i> validity
griff	<i>see</i> greifen	gut	good
grob	coarse, gross	Gutachten	<i>das</i> report
groß	large	Gutachter	<i>der</i> expert
großartig	great, splendid	Güte	<i>die</i> goodness, kindness, quality
Größe	<i>die</i> size, height, greatness	Gymnasium	<i>das</i> high school

H

Haarsche Maß *das* Haar measure

haben to have

haften to stick, to adhere, to cling

Halbebene *die* half plane

halbeinfach semisimple

Halbeinfachheit *die* semisimpleness

halber on account of, for the sake of

halboffen half-open

Hälfte *die* half

Halt *der* hold, stop

halten to hold, to stop

Handeln *das* action

handeln to trade, to act

sich — um to be a question of, be about

handhaben to handle

Handvoll *die* handful

hängen to hang, to connect

harmonisch harmonic

—**e Reihe** *die* harmonic series

hart hard, harsh

hartnäckig stubborn

hauen to hew, to cut, to thrash

Haufen *der* heap; crowd

häufen to pile up; to accumulate

häufig frequently

Häufung *die* accumulation

Häufungspunkt *der* accumulation point

Haupt *das* head, chief

Hauptachse *die* principal axis

Hauptachsentheorem *das* principal axis theorem

Hauptfach *das* (*UNIV*) main subject, major

Hauptfrage *die* main question

Hauptideal *das* principal ideal

Hauptresultat *die* main result

Hauptsache *die* main thing

hauptsächlich chief

Hauptsatz *der* main theorem; fundamental theorem

Hauptschwierigkeit *die* main difficulty

Hauptvermutung *die* main conjecture

Hauptwert *der* principal value

hebbare Unstetigkeit *die* removable discontinuity

Hebbarkeitssatz

Riemannsch — *der* Riemann's removable singularity theorem

heben to raise, to lift; to increase

Heckealgebra *die* Hecke algebra

Heckeoperator *der* Hecke operator

Heft *das* exercise book; number of periodical, etc

heißen to be called

helfen to help, to be of use

heranführen to lead up; to lead to

herangehen to tackle

herantragen to bring (over)

heranziehen to pull nearer, to raise, to call in

herausgreifen to pick out; (*example*) to take

herauskommen to come out, to come to light

herauslösen to extract

Herbst *der* autumn, fall

herleiten to derive

Herleitung *die* derivation

hermitesch/Hermitesch Hermitian

herrühren to arise, to originate

herstellen to produce, to manufacture

herum about, around

hervor out, forth

hervorbringen to produce; to utter; to cre-

ate	
hervorgehen	to emerge, to result
hervorgehoben	emphasized
hervorheben	to stress, to emphasize
herzlich	heartily, cordial
Hessematrix	<i>die</i> Hessian
Heuristik	<i>die</i> heuristics
heuristisch	heristic
heute	today
heutig	today's
heutzutage	nowadays
hielt	<i>see</i> halten
hierfür	for this
hierin	in this
hiermit	hereby
hierzu	for this
Hilbertraum	<i>der</i> Hilbert space
Hilbertsche Modulfunktion	<i>die</i> Hilbert modular function
Hilfe	<i>die</i> help, aid
Hilfsbegriff	<i>der</i> auxiliary concept
Hilfsdisziplin	<i>die</i> auxiliary discipline
Hilfsmittel	<i>das</i> aid
Hilfssatz	<i>der</i> lemma
Hilfsvariable	<i>die</i> auxiliary variable
Hilfswissenschaft	<i>die</i> auxiliary science
hinaus	out hinder to impede, to hinder, to stop
Hinblick	<i>der</i>
im/in	— auf in view of; with regard to
hinblicken	to look at/toward
Hindernis	<i>das</i> obstacle, impediment
hindeuten	to point
hindurch	through, across; over
hinein	in
hineinbringen	to bring in, to take in
hineinweben	to weave in?
hingegen	however
hingehen	to go in
hingenen	to go into
hinlänglich	adequate
hinreichen	to be adequate
hinreichend	adequate; sufficient
hinschreiben	to write; to scribble down
Hinsicht	<i>die</i>
in dieser	— in this respect
hinsichtlich	with regard to, in view of
Hintergrund	<i>der</i> background
Hinweis	<i>der</i> hint, instruction, reference
hinweisen	
	— auf to point to, to refer to
	darauf —, daß to point out that, to indicate that
hinzu	in addition
hinzufügen	to add, to append
hoch	high
Hochschule	<i>die</i> college; university
Hochschullehrer	<i>der</i> university teacher
höchst	highly, extremely
höchste	highest, extreme
höchstens	at the most
Hochzeit	<i>die</i> wedding
hoffen	to hope
Hoffnung	<i>die</i> hope
Höhe	<i>die</i> height
hohe	<i>see</i> hoch
Höhenfunktion	<i>die</i> height function
Höhenlinie	<i>die</i> level curve
Höhepunkt	<i>der</i> height, peak; high spot; climax
holen	to get, to fetch
holomorph	holomorphic
homogen	homogeneous
homologisch	homologic
Homologie	<i>die</i> homology
Homologiegruppe	<i>die</i> homology group

homomorph homomorphic
Homomorphismus *der* homomorphism
Homotopieklasse *die* homotopy class
Homotopie *die* homotopy
hören to hear
Hörer listener, (*UNIV*) student
Hülle *die* cover, wrapping; (*MATH*) hull
 abgeschlossene — closure
hüllen to cover, to wrap
humanistisch humanistic; classical
 —**es Gymnasium** *das* secondary school
 with bias on Latin and Greek
Hundert *das* hundred
hundert hundred
Hyperbel *die* hyperbola
hyperbolisch hyperbolic
hyperkomplex hypercomplex ???
Hypothese *die* hypothesis
hypothetisch hypothetical
Hysterie *die* hysteria
hysterisch hysterical

I

i.a. (= im algemainen?) in general?
i.A. (= im Auftrag) p.p.: per pro; per procurationem; by proxy
i.allg. (= im algemainen) in general
Ideal *das* ideal
Idealarbe *die* ideal sheaf
Idealklasse *die* ideal class
Idealtheorie *die* ideal theory
Idee *die* idea
Ideenkreis *der* body of ideas?
Idempotent *das?* idempotent
identifizieren to identify
identisch identical

Identität *die* identity
Ikosaeder *das* icosahedron
Image *das* image
imaginär imaginary
Imaginärteil *der* imaginary part
immer always
immerhin anyhow, at any rate; at least; after all
immerwährend perpetual
immun immune
implizieren to imply
implizit implicit
implizit Funktion *die* implicit function
imstande sein to be in a position, to be able
inäquivalent inequivalent
indefinit indefinite
indem while
Index *der* index
Induktion *die* (*MATH*) induction
 vollständige — (*MATH*) induction
Induktionsannahme *die* (*MATH*) induction assumption
Induktionsbeginn *der* (*MATH*) beginning of induction
Induktionsschluß *der* (*MATH*) end of induction
Induktionsschritt *der* (*MATH*) induction step
Induktionsvoraussetzung *die* (*MATH*) induction hypothesis
Industrie *die* industry
induzieren to induce
Infimum *das* infimum
infolge as a result of, owing to
infolgedessen consequently
Informatik *die* information studies
Inhalt *der* content

inhaltlich as regards content, contentwise
Inhaltsübersicht *die* overview of contents
Inhaltsverzeichnis *das* table of contents,
 (*COMPUT*) directory
Injektion *die* injection
injektiv injective
Injektivität *die* injectivity
Inland *das* home country
innen inside
innere inner; internal
 — **r Punkt** *der* interior point
Innere *das* inside; heart
innerhalb inside, within
innig heartfelt; deep; intimate
Innigkeit *die* depth; intensity; intimacy
Input *der/das* input
insbesondere (e)specially; particularly
inseparabel inseparable
insofern in this respect; if
 — **als** inasmuch as
instabil instable
Instabilität *die* instability
Integral *das* integral
Integralgleichung *die* integral equation
Integralrechnung *die* integral calculus
Integration *die* integration
Integrationsmethode *die* method of inte-
 gration
integrierbar integrable
Integritätsring *der* integral ring
interessant interesting
Interesse *das* interest
interessieren to interest
international international
Interpolation *die* interpolation
Intervall *das* interval
Intuition *die* intuition
invariant invariant
Invariante *die* invariant
Invarianz *die* invariance
Inverse *die* inverse
invertierbar invertible
Involution *die* involution
Inzidenz *die* incidence; (*MATH*) contact?
inzidiert (*MATH*) to contact?
inzwischen meanwhile
irgend at all, any
irgendein some, any
irgendeine any one
irr crazy, insane
irreduzible irreducible
irren to be mistaken; to wander, to stray
Irrtum *der* mistake, error
isogen isogenous
Isogenie *die* isogeny
Isogenieklasse *die* isogeny class
Isometrie *die* isometry
isometrisch isometric
isomorph isomorphic
Isomorphieklasse *die* isomorphy class
Isomorphismus *der* isomorphism
Isotopie *die* isotopy
isotrop isotropic
Italien *das* Italy
Iteration *die* iteration

J

Jacobimatrix *die* Jacobian matrix
Jacobische *die* Jacobian
Jahr *das* year
Jahresbericht *der* annual report
Jahrhundert *das* century
Jahrhundertwende *die* turn of the century
jährlich yearly

Japaner *der* Japanese
je ever; each
je nachdem depending on
jede each, every, everyone
jedenfalls in any case
jedoch however
jegliche any
jemals ever
hemand somebody, someone; anybody, anyone
jene that, those
jenseitig opposite
jenseits on the other side of
Jenseits hereafter
jetzig present
jetzt now
jeweilig respective; prevailing
die —e Regierung the government of the day
jeweils at any one time, each time
Jordanbogen *der* simple arc
Jordankästchen *das* Jordan block
Jordannormalform *die* Jordan normal form
Journal *das* journal; magazine
Journalismus *der* journalism
Journalist *der* journalist
journalistisch journalistic
Jugend *die* youth
jugendlich young
jung young

K

kämpfen to fight, to struggle
Kandidat *der* candidate
kanonisch canonical

Kap *das* cape
Kapelle *die* chapel; band, orchestra
Kapellmeister *der* director of music; bandmaster, band leader
Kapital *das* capital; capital investments; asset
Kapitel *das* chapter; period; chapter of events, story
kaputt broken; shattered; ruined
kartesisch Cartesian
Kaste *die* caste
Kasten *der* box, case, chest
Kästchen *das* small box, casket
katastrophal catastrophic
Kategorie *die* category
kaufen to buy
kaum hardly, scarcely
Kegel *der* skittle; pin; cone; peak; beam; (*MATH*) cone
Kegelzerlegung *die* cone decomposition
Kehre *die* turn(ing), bent
kehren to turn; to sweep
Keim *der* bud; (*MED*) germ
keimen to germinate
kein none; no, not any
keinerlei no . . . whatever
keinesfalls on no account
keineswegs by no means
kennen to know
kennenlernen to get to know
kenntlich distinguishable, discernible
Kenntnis *die* knowledge
Kennzeichen *das* mark, characteristic
kennzeichnen to characterize
Kennzeichnung *die* characterization
Kern *der* kernel
Kette *die* chain
ketten to chain

Kettenbruch <i>der</i> continued fraction	Kohomologie <i>die</i> cohomology
Kettenkomplex <i>der</i> chain complex	Kohomologiegruppe <i>die</i> cohomology group
Kettenregel <i>die</i> chain rule	kohomologisch cohomological
Kettensatz <i>die</i> ???	Kombination <i>die</i> combination; deduction; conjecture; suite, ensemble
Klammer <i>die</i> clamp, (<i>text</i>) bracket, clip	Kombinatorik <i>die</i> combinatorics
eckige — bracket	kombinatorisch combinatoric
runde — parenthesis	kombinieren to combine; to deduce; to suppose
klammern to staple, to clamp	kommen to come
Klang <i>der</i> sound	kommend coming, future, upcoming
klang <i>see</i> klingen	kommensurable commensurable
klar clear	Kommentar <i>der</i> comment; commentary
Klarheit <i>die</i> clarity	kommentieren to comment on
Klasse <i>die</i> class	kommutativ commutative
Klasseneinteilung <i>die</i> classification?	Kommutativgesetz <i>das</i> commutative law
Klassenkörper <i>der</i> class field	Kommutator <i>der</i> commutator
Klassenkörpertheorie <i>die</i> class field theory	kommutieren to commute
Klassenzahl <i>die</i> class number	Komologiekategorie <i>die</i> cohomology class
Klassenzahlformel <i>die</i> class number formula	kompakt compact
klassifizieren to classify	Kompaktheit <i>die</i> compactness
Klassifizierung <i>die</i> classification	Kompaktifikation <i>die</i> compactification
klassisch classical	kompaktifizieren to compactify
Klebstoff <i>das</i> glue	Kompaktifizierung <i>die</i> compactification
kleben (<i>MATH</i>) (<i>local structure</i>) to glue?	Kompaktifizierungstheorie <i>die</i> theory of compactification
— (an) to stick (to);	Kompaktum <i>das</i> compact (set)
kleiden to cloth, to dress	Kompatibilität <i>die</i> compatibility
Kleidung <i>die</i> clothing	Komplement <i>das</i> (<i>MATH</i>) complement
klein little, small	komplett complete
klingen to sound, to cling	Komplettierung <i>die</i> completion
klug clever, intelligent	Komplex <i>der</i> complex
Knoten <i>der</i> knot, node	komplex complex
knoten to knot	komplexe Zahl <i>die</i> complex number
knüpfen to tie, to knot, to be linked with	Komplikation <i>die</i> complication
Kodimension <i>die</i> codimension	komplizieren to complicate
Koeffizient <i>der</i> coefficient	kompliziert complicated; (<i>MED</i>) com-
kohärent coherent	
Kohärenz <i>die</i> coherence	

pound	criterion
Komponente <i>die</i> component	Konvergenzradius <i>der</i> radius of convergence
komponieren to compose	konvergieren to converge
Komposition <i>die</i> composition	konvex convex
Kondition <i>die</i> condition	konzentrieren to concentrate
Konferenz <i>die</i> conference	Konzept <i>das</i> draft, notes; plan; concept
kongruent congruent	Koordinate <i>die</i> coordinate
Kongruenz <i>die</i> agreement; (<i>MATH</i>) congruence	Koordinatensystem <i>das</i> coordinate system
Konjugation <i>die</i> conjugation	Kopf <i>der</i> head; person; mind
Konjugationsklasse <i>die</i> conjugacy class	Kopie <i>die</i> copy; photocopy; print
konjugieren to conjugate	kopieren to copy; to imitate; to photocopy; to print
Konjugiert ? conjugate	Korollar <i>das</i> corollary
Konjunktur <i>die</i> economic situation; boom	Körper <i>der</i> body; (<i>MATH</i>) field
konkav concave	Körperbegriff <i>der</i> concept of field
konkret concrete	Körpererweiterung <i>die</i> field extension
können can; to be able to; to be allowed to	korrekt correct
Konsequenz <i>die</i> consequence	kovariant covariant
konstant constant	Kraft <i>die</i> strength, power, force
Konstante <i>die</i> constant	kräftig strong; (<i>soup, food</i>) nourishing
konstruieren to construct	Kreis <i>der</i> circle
Konstruktion <i>die</i> construction	Kreisring <i>der</i> annulus
Konstruktionsbaustein <i>der</i> constituent of construction	Kreisscheibe <i>die</i> disk
Kontakt <i>der</i> contact	Kreisteilung <i>die</i> division of circle; cyclotomy
Kontinuum <i>das</i> continuum	Kreisteilungstheorie <i>die</i> cyclotomy theory
kontrahierbar contractible	Kreuz <i>das</i> cross
kontrahieren to contract	Kreuzprodukt <i>das</i> cross product
Kontraktion <i>die</i> contraction	Kreuzung <i>die</i> crossing
Kontrolle <i>die</i> control; check; supervision; checkpoint; customs	Kriterium <i>das</i> criterion
kontrollieren to control; to check; to supervise; to inspect	Kritik <i>die</i> criticism; review
Konvention <i>die</i> convention	Kritiker <i>der</i> critic; reviewer
konventionnel conventional	kritisch critical
konvergent convergent	— er Punkt <i>der</i> critical point
Konvergenz <i>die</i> convergence	kritisieren to criticize; to review
Konvergenzkriterium <i>das</i> convergence	

Krone *die* crown; top
krönen to crown
Kugel *die* ball, globe, sphere
künftig future; in future
Kunst *die* art; skill
Kurve *die* curve
kurz short, briefly
kürzlich lately, recently

L

laden to load, (*JUR*) to summon, to invite
lag *see* **legen**
Lage *die* position, situation
Lagrange-Interpolationsformel *die* La-
grange interpolation formula
Lagrangescher Multiplikator *der* La-
grange multiplier
Land *das* land
lang long, tall
langatmig long-winded
Lange *die* length
längs along
langsam slow
langwierig lengthy, long-drawn-out
lassen to leave; to let, to allow
 sich — be able to, can be
Last *die* load, burden; cargo, charge
Latein *das* Latin
lateinisch Latin
laufen to run
laufend running
Laufenden
 auf dem — to be up-to-date
lauten to be, to go, to say
läuten to ring
lauter clear, pure; honest; sheer; nothing

but, only
Leben *das* life; (*MATH*) existence
leben to live
Lebensjahr *das* year of life
ledig single, unmarried; free
lediglich merely, simply
leer empty, blank
Leere *die* emptiness
leeren to empty
legen to lay, to put, to place; to lie down
Lehrbuch *das* textbook
Lehre *die* teaching, doctrine, theory; ap-
prenticeship; lesson
lehren to teach
Lehrer *der* teacher
Lehrplan *der* syllabus
Lehrsatz *der* proposition
Leibnizkriterium *das* Leibniz criterion
leicht light, easy; easily
Leid *das* sorrow, grief, harm
leiden to suffer
leider unfortunately
 — **ja** I'm afraid so
 — **nicht** I'm afraid not
leisten to do; to achieve; to manage
 sich etw — to allow oneself sth; to treat
 oneself to sth
Leistung *die* performance, achievement
leiten to lead, to manage, to direct
leitend leading, dominant
Leitfaden *der* guide
Lemma *das* lemma
lenken to steer, to guide, to lead
lesen to read
Leser *der* reader
letzt last
letzte last, latest
letztens lately

Licht *das* light
licht light, bright
lichten to clear
lieb dear
Liebe *die* love
lieben to love
lieber rather, preferably
liefern to supply, to provide
liegen to lie
ließ *see* lassen
liest *see* lesen
liften to lift
Limes *das* (*MATH*) limit
— **superior/inferior** upper/lower limit
linear linear
— **abhängig** linear dependent
— **unabhängig** linear independent
Linearkombination *die* linear combination
Linie *die* line
linkisch awkward, gauche
linkseitig differenzierbar differentiable
from below; from the left
linkseitiger Grenzwert *der* left-hand
limit
linksstetig continuous from below; from the
left
links left; to or on the left
Literatur *die* literature
Loch *das* hole
lochen to punch holes/a hole in; to punch
logarithmisch logarithmic
Logarithmus *der* logarithm
lokal local
Lokalisierung *die* localization
lösbar solvable
Lösbarkeit *die* solvability
lose loose
lösen to loosen; to detach; to solve; to dis-

solve; to cancel
löslich soluble
loslösen to detach
Lösung *die* solution
Lösungsmenge *die* solution set
Lösungsmethode *die* method of solution
Lot *das* the plumb line; perpendicular (line)
im — vertical
L-Reihe *die* L-series
Lücke *die* gap; loophole; break
Luft *die* air, breath

M

machen to make, to do
Macht *die* power
mächtig powerful, mighty
Mächtigkeit *die* mightiness
Mädchen *das* girl
mag *see* mögen
majorisierte Konvergenz *die* dominated
convergence
man *pron* one, you, they
manche many a, a number of; some
mancherlei various; various things
manchmals sometimes
Mangel *die* mangle; *der* lack; shortage; de-
fect, fault
Manier *die* manner; style
Manipulation *f* manipulation; maneuver
manipulierbar manipulable
manipulieren to manipulate
Mann *der* man; husband; hand, man;
player, man
mannigfach manifold
mannigfaltig various, varied
Mannigfaltigkeit *die* diversity, variety;

	(<i>MATH</i>) variety	merkwürdig odd
Masche	<i>die</i> mesh, stitch	meromorph meromorphic
Maschine	<i>die</i> machine, engine	Meromorphie <i>die</i> meromorphy
Maß	<i>das</i> measure	Meromorphiebedingung <i>die</i> meromorphy condition
massig	massive; a massive amount of	messbar measurable
mäßig	moderate	messen to measure; to compete
massiv	solid; heavy, rough	Methode <i>die</i> method
Material	<i>das</i> material; materials; evidence	Metrik <i>die</i> metric
Mathematik	<i>die</i> mathematics	metrisch metric
Mathematiker	<i>der</i> mathematician	Metrisierbarkeit <i>die</i> metricizability
Mathematikergeneration	<i>die</i> generation of mathematicians	metrisieren to metricize
mathematisch	mathematic	mild mild
Matrix	<i>die</i> matrix	Milde <i>die</i> mildness; leniency
Matriz	<i>die</i> matrix, mold; stencil	mindeste least
maximal	maximal	mindestens at least
maximaladisch	(<i>MATH</i>) maximal adic	Mindestmaß <i>das</i> minimum
Maximum	<i>das</i> maximum	Minimalpolynom <i>das</i> minimal polynomial
	lokales/globales — local/global maximum	Minimum <i>das</i> minimum
mechanisch	mechanic	lokales/globales — local/global minimum
mehrdeutig	ambiguous	Minor <i>der</i> (<i>MATH</i>) minor
	—e Funktion <i>die</i> multi-valued function	mischen to mix; to merge; to shuffle
mehrere	several, various	Mißtrauen to mistrust
mehrfach	multiple	mißverhältnis <i>das</i> discrepancy
	—es Integral <i>das</i> multiple integral	mißverständlich unclear
meiden	to avoid	Mißverständnis <i>das</i> misunderstanding
meinen	to think, to say, to mean	mißverstehen to misunderstand
Meinung	<i>die</i> opinion	Mitarbeit <i>die</i> cooperation
meist	most, mostly	mitarbeiten to cooperate, to collaborate
Meister	<i>der</i> master, champion	mithin therefore?
meisterhaft	masterly	mitsamt together with
Menge	<i>die</i> quantity, crowd; (<i>MATH</i>) set	Mitte <i>die</i> middle
Mengenlehre	<i>die</i> set theory	mitteilen to communicate
Mensch	<i>der</i> human being, man, person	Mittel <i>das</i> means
menschlich	human, humane	mittels by means of
merken	to notice	Mittelpunkt <i>der</i> center
merklich	noticable	Mittelwertsatz <i>der</i> mean value theorem

Mitternacht <i>die</i> midnight	Morphismus <i>der</i> morphism
mittlerer middle; medium; average	Motiv <i>das</i> motive; theme
mitunter occasionally, sometimes	motivisch motivic
Mode <i>die</i> fashion	Mühe <i>die</i> trouble, pains
Modell <i>das</i> model	multilinear multi-linear
Modellraum <i>der</i> model space (<i>e.g.</i> <i>affinoid spaces in theory of rigid analytic spaces</i>)	Multilinearform <i>die</i> multi-linear form
Modellring <i>der</i> model ring (<i>e.g.</i> <i>affinoid rings in theory of rigid analytic spaces</i>)	Multiplikation <i>die</i> multiplication
modellieren to model	Multiplizität <i>die</i> multiplicity
modern modern, fashionable	Mund <i>der</i> mouth
Modernisierung <i>die</i> modernization	mündlich oral
modifizieren to modify	muß <i>see</i> müssen
Modul <i>das</i> module; moduli	müssen must
modulieren to modulate	Mut <i>der</i> courage
Modulform <i>die</i> modular form	mutatis mutandis (<i>LATIN</i>) with the necessary changes having been made; with the respective differences having been considered
Modulfunktion <i>die</i> modular function	mutmaßen to conjecture
Modulgruppe <i>die</i> modular group	mutmaßlich presumed; probably
Modulmannigfaltigkeit <i>die</i> moduli variety?	
Modulmultiplizität <i>die</i> moduli multiplicity?	
Modulraum <i>der</i> moduli space	N
modultheoretisch moduli-theoretic	nach to, after, according to
mögen to like	Nachbar <i>der</i> neighbor
möglich possible	Nachbargebieten <i>das</i> neighbor area
möglicherweise possibly	nachdem after
Möglichkeit <i>die</i> possibility	Nachfolge <i>die</i> succession
Moment <i>der</i> moment; <i>das</i> fact; factor; element	nachfolgend following
Monate <i>der</i> month	nachholen to catch up with, to make up for
Monom <i>das</i> monomial	Nachlese <i>die</i> second harvest; gleanings
Monomorphismus <i>der</i> monomorphism	nachlesen to read, to look up; to have a second harvest, to glean
monoton monotone	nachprüfen to check, to verify
—e Konvergenz <i>die</i> monotone convergence	Nachsicht <i>die</i> leniency; forbearance
Monotonie <i>die</i> monotony	nächst next to; apart from
Morphismen <i>pl</i> morphisms	Nacht <i>die</i> night
	Nachteil <i>der</i> disadvantage

Nachtrag *der* supplement
nachtragen to add, to come afterwards
nachträglich later, subsequent, additional
Nachweis *der* proof
nachweisen to prove
Nachwuchs *der* offspring
Nahe *die* nearness, proximity, vicinity
nahe near(by), close
nahelegen
jdm etw — to suggest sth to sb
naheliegen to suggest itself; to be obvious
naheliegend suggesting itself, natural
näher nearer; more detailed
nähern to approach
Näherung *die* approximation? approach, proximity?
nahm *see* **nehmen**
naiv naive
Name *der* name
nämlich namely
Natur *die* nature
natürlich natural
—e Zahl *die* natural number
Naturwissenschaft *die* natural science
naturwissenschaftlich natural-scientific
neben next to; apart from, beside
Nebenbedingung *die* side condition
Nebenfach *das* (*UNIV*) subsidiary subject, minor
Nebenklasse *die* coset
negativ negative
— definit negative definite
nehmen to take
nennen to call
Nenner *der* denominator
neu new
Neubegründung *die* new foundation
neugierig curious
neutral neutral
—es Element *das* identity element
Neutralität *die* neutrality
Newton-Verfahren *das* Newton's method
nichtausgeartet non-degenerate
Nichteinheit *die* non-unit
nichteuklidisch non-Euclidean
nichtleere nonempty
nichtnegativ nonnegative
Nichtrest *der* non-residue
nichtsingulär nonsingular
nichttrivial nontrivial
nie never
nieder low; down
niedrig low; humble; mean
niemals never
niemand nobody, no one
nilpotent nilpotent
Nilpotenzindex *der* index of nilpotency
Nilradikal *das* nilradical
nimmt *see* **nehmen**
nirgends nowhere
noch still, yet
nochmal again, once more
noethersch Noetherian
nonarchimedisch nonarchimedean
Norm *die* norm
normal normal
Normale *die* normal
Normalisierung *die* normalization
normierbar able to be normed
normieren to norm
normiert normed
Normierung *die* ???
Not *die* need, necessity; hardship, trouble
Notation *die* notation
Note *die* note
Notfall *der* emergency

nötig necessary
nötigen to compel, to force
nötigenfalls if necessary
notwendig necessary
notwendigerweise necessarily
Notwendigkeit *die* necessity
***n*-Teilungspunkte** *pl* *n*-division points
null zero
Null *die* zero
Nullelement *das* zero element
Nullfolge *die* zero sequence?
Nullmatrix *die* zero matrix
Nullmenge *die* null set
Nullpunkt *der* zero, origin
Nullschnitt *der* zero section
Nullstelle *die* zero
Nullstellenmenge *die* set of zeros
nullte 0-th
Nullteiler *der* zero divisor
nullteilerfrei zero divisor free
Nullvektor *der* zero vector
Nullwert *der* zero value, constant term
numerisch numerical
nun now; well
nunmehr now
nur only
nützlich useful

O

ob whether
oben above
obenerwähnt above-mentioned
ober upper
Oberfläche *die* surface
Oberkörper *der* extension field
Obermenge *die* superset

Oberring *der* extension ring
Obersumme *die* upper sum
obig above
Objekt *das* object
obgleich although; (even) though
obige above
Obige *der* the above
obliegen to apply?, to prevail over?; to be devoted to?, to be incumbent upon?
Obst *das* fruit
obwohl although; (even) though
oder or
 — **aber** or else
 — **auch** or even
offen open
 — **e Überdeckung** *die* open cover
offenbar obvious; obviously
offenbaren to reveal, to manifest
offensichtlich evident, obvious
offenstehen to be open
oft often
ohne without
 — **weiteres** without a second thought; immediately
Operator *der* operator
Operation *die* operation, action
operieren to operate, to act
Optimierung *die* optimization
Orbitraum *der* orbit space
ordentlich decent, respectable; tidy, neat
 — **er Professor** *der* (full) professor
ordnen to order, to put in order
Ordnung *die* order
organisieren to organize
orientiert oriented
Ort *der* place
orten to locate
orthogonal orthogonal

orthonormal orthonormal
Orthonormalbasis *die* orthonormal basis
Orthonormalisierungsverfahren *das* orthonormalization process
örtlich local

P

Paar *das* pair
paarweise pairwise
Paket *das* packet, parcel
Parabel *die* parable; (*MATH*) parabola
parabolisch parabolic
Paragraph *der* paragraph; (*JUR*) section
parallel parallel
Parameter *der* parameter
Parametrisierung *die* parametrization
Partialsomme *die* partial sum
partiell partial
— **differenzierbar** partial differentiable
— **e Ableitung** *die* partial derivative
— **e Integration** *die* integration by part
passen to fit
passend suitable
per by; per
Periode *die* period
Periodenmatrix *die* period matrix
Periodenrelation *die* period relation
periodisch periodic
Permutation *die* permutation
Permutationsgruppe *die* permutation group
persönlich personal
Pflanze *die* plant
pflügen to look after; to nurse; to foster
Pflicht *die* duty
Pfund *das* (*weight*) pound

physikalisch physical
Platz *der* place; seat; space, room
plausibel plausible
plötzlich sudden
Poincaré-Reihe *die* Poincaré series
Polarisation *die* polarization
polarisieren to polarize
polarisiert polarized
Polarkoordinate *die* polar coordinate
polnisch Polish
Polyeder *das* polyhedral
Polygon *das* polygon
Polynom *das* polynomial
Polynomring *der* polynomial ring
positiv positive
— **definit** positive definite
Postulat *das* postulate
postulieren to postulate
Potential *das* potential
potentiell potential
Potenz *die* power; potency
— **n-te** — **von x** x to the power of n
Potenzmenge *die* power set
Potenzreihe *die* power series
Potenzrest *der* power residue
Praktik *die* practice
Praktika *see* **Praktikum**
Praktikum *das* practical training
praktisch practical
präzis precise
prim prime
Primhauptideal *das* prime principal ideal
Primideal *das* prime ideal
Primkörper *der* prime field
Primteil *der/das* prime factor
Primzahl *die* prime number
Prinzip *das* principal; principle
im — in principle

prinzipal principal
prinzipiell in principle; on principle
Privatdozent *der* outside lecturer
Problem *das* problem
Problematik *die* difficulty
problematisch problematic
Problemkreis *der* problem area
Produkt *das* product
Produktraum *der* product space
Produktregel *die* product rule
proendlich profinite
Professor *der* professor
profinite profinite
Programm *das* program
Programmierung *die* (*COMPUT*) programming
Projektion *die* projection
projektiv projective
Prozedur *die* procedure
Prozent *das* per cent, percentage
Prozeß *der* trial, case; process
prüfen to examine, to test, to check
Prüfung *die* examination, exam
Prüfungsordnung *die* test order
psychologisch psychological
Publikation *die* publication
Pullback ? pull-back
Punkt *der* point
punktfremde disjoint?
punktieren to dot
punktiert dotted; (*MATH*) punctured
punktweise Konvergenz *die* pointwise convergence
Quadrant *der* quadrant
Quadrat *das* square
quadratfrei square free
quadratisch quadratic
Quadratwurzel *die* square root

Quadratzahl *die* square number
quadrieren to square
Quantentheorie *die* quantum theory
Quaternion *der?* quaternion
quasiendlich quasi-finite
quasiergodisch quasi-ergodic
Quasiisogenie *die* quasi-isogeny
Quelle *die* spring; source
Quotient *der* quotient
Quotientenraum *der* quotient space
Quotientenregel *die* quotient rule
Quotientkörper *der* quotient field
Quotientring *der* quotient ring
voll — total quotient ring

R

radikal radical
Radikal *das* radical
Radius *der* radius
radiziell (*MATH*) radical, universally injective
Rahm *der* cream
Rahmen *der* frame; framework, setting
Rand *der* edge; rim; (*MATH*) boundary
Randkomponente *die* boundary component
Randpunkt *der* boundary point
Randwert *der* boundary value
Rang *der* rank
rapid rapid
Rapport *der* report
rar rare
Rarität *die* rarity
rasant lightning; fast; meteoric; rapid; terrific
Rasanz *die* speed

rasch quick, hastily	— sschritt <i>der</i> reduction step
rational rational	reduktiv reductive
— e Zahl <i>die</i> rational number	reduzieren to reduce
Rauch <i>der</i> smoke	reduziert reduced
Raum <i>der</i> space	Reduzierung <i>die</i> reduction
räumen to clear; to vacate	reell real
real real, material	— e Zahl <i>die</i> real number
realisieren to realize	reellwertig real-valued
Realisierung <i>die</i> realization	Referat <i>das</i> report; (research) paper
Rechengebiet <i>das</i> area/field of calculation?	Referatzeitschrift <i>die</i> periodical of research papers
Rechenregel <i>die</i> rule of calculation	Referent <i>der</i> reporter, referee
Rechensymbol <i>das</i> symbol of calculation	referieren to (give a) report
Rechnen <i>das</i> arithmetic	reflektieren to reflect; to ponder
rechnen to calculate, to estimate, to reckon	Reflex <i>der</i> reflection; reflex
Rechenregel <i>die</i> calculation rule	Reflexion <i>die</i> reflection
Rechner <i>der</i> calculator	reflexiv reflexiv
rechnerisch computational	Reflexkörper <i>der</i> reflex field
Rechnerische <i>die?</i> computational one	Reform <i>die</i> reform
Rechnung <i>die</i> calculation; (<i>COMM</i>) check	Reformulierung <i>die</i> reformulation
Recht <i>das</i> right	Regel <i>die</i> rule
recht right	in der — as a rule
rechtfertigen to justify	regen to move, to stir
rechtsseitig differenzierbar differentiable from above; from the right	Regung <i>die</i> motion
rechtsseitiger Grenzwert <i>der</i> right-hand limit	Reich <i>das</i> empire, kingdom
rechtsstetig continuous from above; from the right	reich rich
rechtwinklig right-angled	reichen to reach, to suffice
Redakteur <i>der</i> editor	reichhaltig ample, rich
Redaktion <i>die</i> editing; editorial staff	Reichhaltigkeit <i>die</i> ampleness, richness
Rede <i>die</i> speech, talk	Reife <i>die</i> maturity
Reden <i>das</i> talk, speech	reifen to mature
reden to talk, to speak, to say	Reifeprüfung <i>die</i> school-leaving exam
Redeweise <i>die</i> manner (of speaking)	Reifezeugnis <i>das</i> school-leaving certificate
Redewendung <i>die</i> idiomatic expression	Reihe <i>die</i> row; series
Reduktion <i>die</i> reduction	Reihenfolge <i>die</i> order
	Reim <i>der</i> rhyme
	rein pure
	Reise <i>die</i> journey, voyage

reisen to travel	Ringepimorphismus <i>der</i> ring epimorphism
Relation <i>die</i> relation	Rolle <i>die</i> roll, role
relativ relative	Rotation <i>die</i> rotation
Relativgrad <i>der</i> relative degree	rotieren to rotate
relativquadratisch relative quadratic	Rücksicht <i>die</i> consideration
relevant relevant	rühren to move, to stir — von to come from, to stem from
Repräsentant <i>der</i> (<i>MATH</i>) representative	rührend moving, touching
Republik <i>die</i> republic	Rührung <i>die</i> emotion
Rest <i>der</i> remainder; (<i>MATH</i>) residue	rund round; around
Restglied <i>das</i> remainder	Runde <i>die</i> round, circle
Restklasse <i>die</i> residue class	Russen <i>der</i> Russian
Restklassenkörper <i>der</i> residue field	russisch Russian
Restklassenring <i>der</i> residue ring	
Resultat <i>die</i> result	
retten to save, to rescue sich — to escape	
Reziprokes <i>die</i> reciprocal	S
Reziprozität <i>die</i> reciprocity	Saal <i>der</i> hall; room; ballroom; auditorium
Reziprozitätsbeziehung <i>die</i> reciprocity relation	Sache matter, thing
Reziprozitätsgesetz <i>die</i> reciprocity law	Sage <i>die</i> legend
richtig right, correct, proper	sagen to say, to tell
Richtigkeit <i>die</i> correctness	Salz <i>das</i> salt
Richtlinie <i>die</i> guide line	sammeln to collect; to gather; to pick, to gather; to assemble; to accumulate; to converge, to meet; to collect one's thoughts
Richtung <i>die</i> direction; tendency, orientation	Sammlung <i>die</i> collection; composure
Richtungsableitung <i>die</i> directional derivative	sämtlich all, complete
Riemansch Riemannian	Sang <i>der</i> song; singing
— e Fläche <i>die</i> Riemann surface	Satellit <i>der</i> satellite
— Hebbarkeitssatz <i>der</i> Riemann's removable singularity theorem	Sattel <i>der</i> saddle
rigid (<i>MATH</i>) rigid	Sattelfläche <i>die</i> saddle (surface)
Rigidität <i>die</i> rigidity	Sattelpunkt <i>der</i> saddle point
Ring <i>der</i> ring	sättigen to satisfy, to satiate; to be filling
Ringautomorphismus <i>der</i> ring automorphism	sattsam amply; sufficiently
ringen to wrestle, to struggle (with)	Satz <i>der</i> sentence; theorem; movement
	sauber clean

sauer sour; acidic, sharp; spoiled; soured	Schlußstein <i>der</i> the last stone
saufen to drink; to booze	Schlußweisen <i>die</i> way of conclusion
saugen to suck, to vacuum	schneiden to cut; (<i>film</i>) to edit; to cross, to intersect
schaffen to create, to make	schnell quick, fast
Schall <i>der</i> sound	Schnelligkeit <i>die</i> speed
Schar <i>die</i> band, company; flock; crowd	Schnitt <i>der</i> cut, intersection; (<i>MATH</i>) section
scharf sharp	Schnittpunkt <i>der</i> intersection point; (<i>MATH</i>) vertex
schärfen to sharpen	schob <i>see</i> schieben
schärfer sharper	schon already
Schattenseite <i>die</i> shady side, dark side, drawback	schön beautiful
schätzen to estimate, to value	schöpfen to scoop, to ladle, to summon up, to breath in, to find
schauen to look	Schöpfung <i>die</i> creation
Schauenkraft <i>die</i> strength of looking?	Schrank cupboard, closer; wardrobe
Scheibe <i>die</i> disc, disk, ...	Schranke <i>die</i> boundary, limit; (<i>MATH</i>) bound
scheinen to shine; to seem, to appear	obere — upper bound
scheitern to fail; to break down; to founder	untere — lower bound
Scheitern <i>das</i> failure; breakdown	Schraube <i>die</i> screw
Schema <i>das</i> scheme	schrauben to screw
Schemata <i>see</i> Schema	Schraubenlinie <i>die</i> helix
scheren to cut; to shear, to shave, to trim; to bother	Schraubenzieher <i>der</i> screwdriver
sich — to care	schreiben to write
Scherung <i>die</i> shearing?	Schreibmaschine <i>die</i> typewriter
Scherungssatz <i>der</i> shearing theorem?	Schreibweise <i>die</i> spelling; style
Schicht <i>die</i> layer; stratum; class; shift	schreiten to stride, to walk, to strut
schick stylish	Schrift <i>die</i> writing
Schicksal <i>das</i> fate	Schritt <i>der</i> step, footstep
Schicksalsschlag <i>der</i> misfortune	Schulart <i>die</i> school type
schief inclined, slanted; (<i>MATH</i>) skew	Schule <i>die</i> school
schiefsymmetrisch skew-symmetric	schulen to train, to school
schlecht bad	Schüler <i>der</i> schoolboy; pupil; following, disciple
schleppen to drag	Schulgattung <i>die</i> school kind
schleppend dragging; sluggish	Schulmathematik <i>die</i> school mathematics
schließen to close, to shut	
schließlich finally	
— doch after all	
Schluß <i>der</i> end, conclusion	

schwach weak	Shimuramannigfaltigkeit <i>die</i> Shimura variety
schwemmen to wash	Shimuravarietät <i>die</i> Shimura variety
schwer heavy, difficult, serious	sich oneself, itself
Schwere <i>die</i> weight, heaviness; (<i>PHYS</i>) gravity	sicher sure, certain, safe
Schwergewicht <i>das</i> emphasis	sicherlich certainly, surely
schwierig difficult, hard	sichern to secure, to protect
Schwierigkeit <i>die</i> difficulty	sicherstellen to impound, to guarantee
schwinden to shrink	Sicht <i>die</i> sight, view
sehen to see	Siegelsche Modulform <i>die</i> Siegel modular form
sehr very	Siegelsche Modulfunktion <i>die</i> Siegel modular functions
sein to be	sieht <i>see</i> sehen
seinerseits for his part	Signum <i>das</i> signum, sign
seinerzeit in those days, formerly	simultan simultaneous
seit since	singulär singular
Seite <i>die</i> side	Singulärwert <i>der</i> singular value
seither since then	Singularität <i>die</i> singularity
selbst oneself	Singularitätenmenge (<i>MATH</i>) singular set
Selbstabbildung <i>die</i> self-mapping	Sinn <i>der</i> mind; sense; meaning
selbstadjungiert self-adjoint	sinnen to ponder, to muse
selbständig independent	sinngemäß corresponding, analogous
selbstverständlich natural	sinnvoll meaningful, sensible, useful
Selbstverständlichkeit <i>die</i> naturalness; matter of course	Sinus <i>der</i> sine
selten rare; seldom, rarely	Sinus hyperbolic <i>der</i> hyperbolic sine
seltenste rarest	Situation <i>die</i> situation
Semester <i>das</i> semester	Skala <i>die</i> scale
semiabelsch semiabelian	Skalar <i>der</i> scalar
Seminar <i>das</i> seminar	Skalarprodukt <i>das</i> scalar product
Seminararbeit <i>die</i> seminar elaboration	Skizze <i>die</i> sketch
semipositiv semi-positive	skizzieren to sketch
senkrecht vertical, perpendicular	so so, like this/that
separabel separable	sobald as soon as
separat separate; self-contained	sodaß so that
Separata ???	soeben just (now)
Sequenz <i>die</i> sequence	sofern provided
setzen to put, to place, to set	

sofort	at once, immediately	Spektralsatz	<i>der</i> spectral theorem
sog	<i>see saugen</i>	Spektren	<i>pl</i> spectra
sog.	(= <i>sogenannt</i>)	Spektrum	<i>das</i> spectrum
sogar	even	Spezialausbildung	<i>die</i> special education
sogenannt	so-called	Spezialfall	<i>der</i> special case
sogleich	straightaway, at once	Spezialgebiet	<i>das</i> special area
solch	such	spezialisieren	sich auf etw — to specialize in sth
solide	solid; (<i>knowledge</i>) sound; (<i>life, person</i>) staid, respectable	Spezialisierung	<i>die</i> specialization
sollen	should	Spezialist	<i>der</i> specialist
somit	thus	Spezialität	<i>die</i> specialty
Sommer	<i>der</i> summer	speziell	special; especially
sondern	but; to separate	speziellen	(<i>MATH</i>) to take special values
sonst	otherwise, else, at other times	spezifisch	specific
sonstig	other	spezifizieren	to specify
Sorge	<i>die</i> care, worry	Sphäre	<i>die</i> sphere
sorgen	to look after, to worry	spielen	to play
Sorgfalt	<i>die</i> care	spielend	easily
sorgfältig	careful	Spitze	<i>die</i> point; tip; top
sorglos	carefree; careless	spitzen	to sharpen; to purse; to pucker; to prick up
Sorte	<i>die</i> sort, kind	Spitzenform	<i>die</i> cusp form
soweit	as far as	Spitzer	<i>der</i> sharpener
sowie	as soon as; as well as	Spleen	<i>der</i> crazy habit; crazy idea; obsession
sowohl	— als od. — wie auch both ... and ...	spleenig	crazy; nutty
sozusagen	so to speak	Sprache	<i>die</i> language, speech
Spalte	<i>die</i> crack, fissure; crevasse; (<i>text</i>) column	sprachlich	linguistic
spalten	to split (<i>MATH: exact sequence</i>)	Spreu	<i>die</i> chaff
Spaltenraum	<i>der</i> column space	springen	to jump, to leap
Spaltenvektor	<i>der</i> column vector	Spruch	<i>der</i> saying, maxim; (<i>JUR</i>) judgement
Spaltung	<i>die</i> splitting	Sprung	<i>der</i> jump, leap
Spaltungsklasse	<i>die</i> splitting class?	Sprungstelle	<i>die</i> jump discontinuity
sparen	to save	Spur	<i>die</i> trace, track, trail; (<i>MATH</i>) trace
spät	late	Spurformel	<i>die</i> trace formula
später	later	stabil	stable
späterhin	later on?	Stabilität	<i>die</i> stability
Spektralfolge	<i>die</i> spectral sequence		

stammen
 — **von od. aus** to come from
stammend
 von **jdm/etw** — coming from sb/sth
Stammfunktion *die* (*calculus*) primitive
Stand *der* position, state, profession
stand *see* **stehen**
Standardbasis *die* standard basis
Standardsatz *der* standard theorem
Standardvermutung *die* standard conjecture (of Grothendieck)
ständig permanent; constant, continual
Standpunkt *der* standpoint
Stapel *der* pile
stapeln to pile up
stark strong, heavy, powerful
Start *der* start, (*AVIAT*) takeoff
Startecke *die* starting vertex
Startwert *der* initial value
stationär stationary
Statt *die* place
statt instead of
stattfinden to take place
stehen to stand
stehenbleiben to stop, to stand still
stehend stationary; stagnant; regular
steigen to rise, to climb
steigend (*MATH*) increasing
Steigung *die* acclivity, gradient; (*MATH*) slope
Stein *der* stone
Stelle *die* place
stellen to place
Stern *der* star
stet steady
stetig constant, continual; (*MATH*) continuous
 — **differenzierbar** continuously differen-

tiable
Stetigkeit *die* continuity
Stetigkeitsmaß *das* modulus of continuity
stets continually, always
Stich *der* sting, stab, stich
stichhaltig valid
Stichworte *das* cue; note; headword
Stil *der* style; way, manner
Stillschweigen *das* silence
stillschweigen to be silent
stillschweigend silent, tacit
stimmen to be right, to vote; (*instrument*) to tune
Stoff *der* material, matter, stuff
stören to disturb, to disrupt
Störung *die* disturbance, disruption, trouble
Stoß *der* push, shove; poke; punch; kick; nudge; butt; stab; thrust; gasp
Stoßdämpfer *der* shock absorber
stoßen to push, to shove; to poke; to punch; to kick; to nudge; to butt; to plunge; to put; to bump oneself; to jerk
an etw — to bump into sth
auf etw — to hit sth; to come across sth
straff tight; strict; concise
straffen to tighten
Strahl *der* ray, beam
 — **Klassenkörper** *der* ray class field
strahlen to radiate, to shine, to beam
streben to strive, to endeavor
Strecke *die* stretch, section; distance; route
streng severe, strict, sharp
 — **monoton** strictly monotone
Struktur *die* structure
 — **algebra** *die* structure algebra
 — **garbe** *die* structure sheaf
 — **satz** *der* structure theorem

Stück *das* piece, bit
stückweise piecewise
Student *der* student
studieren to study
Studium *das* study; studies
Stufe *die* step, level
Stukturelement *das* structure element
Sturm *der* storm
stürmisch stormy, tempestuous
Substitution *die* substitution
successiv successive
Suche *die* search
suchen to look for, to seek, to search
Summand *der* summand
Summation *die* summation
Summationsbuchstabe *der* the letter (of
alphabet) of summation
Summe *die* sum
Supremum *das* supremum
Surjektion *die* surjection
surjektiv surjective
Surjektivität *die* surjectivity
süß sweet
Süße *die* sweetness
süßen to sweeten
Symbol *das* symbol
Symmetrie *die* symmetry
symmetrisch symmetric
symplektisch symplectic
synthetisch synthetic
System *das* system
systematisch systematic

T

Tafel *die* table; meal; board
Tag *der* day

Tangens *der* tangent (*trigonometric function*)
Tangens hyperbolicus *der* hyperbolic
tangent
Tangentialebene *die* tangent plane
Tangente *der* tangent (*line, plane, etc*)
Tat *die* act, action, deed
in der — indeed, as a matter of fact
Tatbestand *der* facts of the case
Tateschen Tate's
tätig active
tätigen to conclude; to carry out; to make
Tätigkeit *die* activity; occupation; work
Tatsache *die* fact
tatsächlich real, actual
Taylorentwicklung *die* Taylor expansion
Taylorreihe *die* Taylor series
technisch technical
Teil *der/das* part
Teilalgebra *die* subalgebra
teilbar divisible
teilen to divide
Teiler *der* factor
teilerfolg *der* partial success
Teilfolge *die* subsequence
Teilgruppe *die* subgroup
Teilkörper *der* subfield
Teilmenge *die* subset
Teilraum *der* subspace
Teilüberdeckung *die* subcover
endliche — finite subcover
Teilung *die* division; partition
Teilungspunkt *der* division point
Teleskop *das* telescope
Teleskopreihe *die* telescoping series
Tempo *das* speed, pace; tempo
-ten Potenzrest *der* -th power residue
Tendenz *die* tendency

Tensor <i>der</i> tensor	Transformationsformalismus <i>der</i> transformation formalism
ternär ternary	Transformationsformel <i>die</i> transformation formula
theoretisch theoretic	transformieren to transform
Theorie <i>die</i> theory	transitiv transitive
Thetacharakteristik <i>die</i> theta characteristic	Translation <i>die</i> (<i>MATH</i>) translation
Thetafunktion <i>die</i> theta function	Translationsinvarianz <i>die</i> translation invariance
Thetanullwert <i>der</i> theta zero value, theta constant	transparent transparent
Thetatransformationsformel <i>die</i> theta transformation formula	Transponierte <i>die</i> transpose
Thetareihe <i>die</i> theta series	Transport <i>der</i> transport
tief deep; low; profound; intense; dire; utter; in depth; deeply; terribly	transportieren to transport; to move; to wind on
Tief <i>das</i> depression; low	transzendent (<i>MATH</i>) transcendental
Tiefe <i>die</i> depth; lowness; profundity	Transzendenzgrad <i>der</i> transcendence degree
Tier <i>das</i> animal	trauen to trust
Topologie <i>die</i> topology	Traum <i>der</i> dream
topologisch topological	träumen to dream
— er Raum <i>der</i> topological space	traurig sad; unhappy; pathetic, sorry; miserable
torsionsfrei torsion free	Traurigkeit <i>die</i> sadness
Torsionspunkt <i>der</i> torsion point	Treffen <i>das</i> meeting
Torsor <i>der</i> torsor	treffen to hit, to meet
Torus <i>das</i> torus	treiben to drive; to bear; to make rise; to rush; to push; to pursue; to carry one; to be up to; to create; to sprout; to drift
totale Ableitung <i>die</i> total derivative	trennen to separate; to divide
Tradition <i>die</i> tradition	Trennung <i>die</i> separation
träge sluggish, slow, (<i>PHYS</i>) inert	Trennungseigenschaft <i>die</i> separation property
tragen to carry, to bear	Trennungslinie <i>die</i> separating line
Tragen ?	Treppe <i>die</i> stair, staircase, steps
zum — kommen to come to fruition; to come in useful	Treppenform <i>die</i> echelon form
Träger <i>der</i> carrier, wearer, bearer; holder; sponsor; (<i>MATH</i>) support (of a function)	Treppenfunktion <i>die</i> step function
Trägheit <i>die</i> laziness, (<i>PHYS</i>) inertia	Treppennormalform <i>die</i> reduced echelon form
Trägheitsgruppe <i>die</i> inertia group	
Training <i>das</i> training	
Transformation <i>die</i> transformation	

treten to step; to appear; to kick; to trample
treu loyal; faithful; true; trusting; innocent;
 faithfully; devotedly; trustingly; innocently
Treue *die* loyalty, faithfulness, fidelity
Tribüne *die* platform; stand; grandstand
Tribut *der* tribute; toll
Trick *der* trick
trickreich tricky, clever
Trieb *der* drive; urge; inclination; instinct;
 shoot
trifft *see* treffen
Trigonometrie *die* trigonometry
trigonometrisch trigonometric
Tripel *das* triple
Tritt *der* step; kick
tritt *see* treten
trivial trivial
trotz in spite of
trotzdem nevertheless; although
tun to do
Tupel *das* (*MATH*) tuple
Twist *der* twist
twisten to twist
Typ *der* type
Type *die* (*printing, typesetting*) type

U

u.a. (= und andere(s)) and others; (=unter
 anderem) amongst other things
u.ä. (= und ähnliche(s)) and similar
Übel *das* evil
übel bad
Übelstand *der* bad state of affairs
über over
überabzählbar uncountable

überall everywhere
Überblick *der* view; survey, overview
überblicken to survey, to see; (*situation*) to
 grasp
überdecken to cover
Überdeckung *die* covering
überdies besides
übereinstimmen to agree, to match;
 (*MATH*) to equal
übereinstimmend corresponding, concurr-
 ing; agreeing
überführen to transfer, to transport; to
 drive; to convict; (*MATH*) to map to
Übergang *der* crossing; transition;
 (*MATH*) transformation?
übergehen to pass, to go over; to omit
überhaupt at all, in general
Überkreuzung *die* crossover
Überlagern to overlie; to eclipse; to over-
 lap; (*MATH*) to cover
Überlagerung *die* overlay; (*MATH*) cover-
 ing
Überlagerungsabbildung *die* covering
 map
überlasten to overload
Überlastung *die* overloading
überlegen to think over, to consider
Überlegung *die* reflection, consideration
übernehmen to take on, to accept; to take
 over
sich — to take on too much; to overdo it
überrachen to surprise
Überrachung *die* surprise
überraschend surprising
überschätzen to overestimate
überschätzend overestimated
überschlagen to skip (over); to estimate;
 to somersault; to go head over heels; to

come thick and fast; to crack; to cross; to fold; to fold back; to break	neighborhood
in etw — to turn to sth	umgekehrt reverse; opposite; on other way around; (<i>MATH</i>) conversely
überschneiden to overlap, to intersect	umgrenzen to surround, to enclose, to de- limit
überschreiten to cross over, to exceed, to transgress	Umgrenzung <i>die</i> boundary, enclosure, lim- itation
überschwemmen to flood	Umkehr <i>die</i> turning back
Überschwemmung <i>die</i> flood	Umkehrabbildung <i>die</i> inverse mapping
übersehen to overlook	umkehrbar (<i>MATH</i>) invertible
übersenden to send, to forward	umkehren to turn back, to reverse; (<i>MATH</i>) to invert
Übersendung <i>die</i> sending, forwarding	Umkehrfunktion <i>die</i> inverse function
übersetzen to translate	Umkehrtheorem <i>das</i> inverse theorem
Übersetzung <i>die</i> translation	Umkehrung <i>die</i> turning back; (<i>MATH</i>) converse
Übersicht <i>die</i> overall view; overview; sur- vey	umschlagen to turn over/up/back/down; to put on; to handel; to change; to veer; to break
übertragbar transferable; (<i>MED</i>) infec- tious	umschreiben to paraphrase; to outline; to refer to obliquely
übertragen to transfer, to carry over	Umstand <i>der</i> circumstance
Übertragung <i>die</i> transference, transmis- sion	umständlich cumbersome, complicated
übertrieben exaggerated, excessive	umwandeln to change, to convert
überzählig surplus	unabhängig independent
Überzeugung <i>die</i> conviction	unangenehm unpleasant, embarrassing
überzeugen to convince	unausführbar impracticable, not feasible
überzeugend convincing	unbedingt unconditional, absolutely
überzeugt devoted; (<i>religious</i>) devout	unbekannt unknown
üblich usual	Unbekannte ? something unknown
übrig remaining	unbestimmt indefinite, uncertain
übrigens besides; by the way	Unbestimmte ? (<i>MATH</i>) indeterminate
übriglassen to leave (over)	unbewiesen unproven
Umfang <i>der</i> extent, size, range, area; (<i>MATH</i>) circumference	unendlich infinite — dimensional infinite dimensional
umfassen to embrace, to surround, to in- clude	Unendliche ? (<i>MATH</i>) infinite
umfassend comprehensive, extensive	unentbehrlich indispensable
umformen to reshape; to convert	unerklärte unexplained
umgeben to surround	
Umgebung <i>die</i> surroundings; (<i>MATH</i>)	

unerlässlich	indispensable	Untergeradenbündel	<i>das</i> sub-line bundle
unerreichbar	unattainable	Untergitter	<i>das</i> (<i>MATH</i>) sub-lattice
unfaßbar	incomprehensible	Untergruppe	<i>die</i> subgroup
unfaßlich	incomprehensible	unterhalb	below
ungeändert	unchanged	unterliegen	to be defeated or overcome (by), to be subject (to)
ungefähr	rough, approximate	Unterschema	<i>das</i> submodule
ungefährlich	not dangerous, harmless	Unterraum	<i>der</i> subspace
ungelöst	unresolved	unterscheiden	to distinguish, to tell apart
ungerade	odd, uneven, (<i>MATH</i>) odd (number)	Unterschema	<i>das</i> subscheme
ungeschrieben	unwritten	Unterschied	<i>der</i> difference, distinction
Ungleichheit	<i>die</i> dissimilarity, inequality	untersuchen	to examine, to investigate
Ungleichung	<i>die</i> inequality	Untersuchung	<i>die</i> examination, investigation
unipotent	unipotent	Untersumme	<i>die</i> lower sum
universell	universal	Unterteil	<i>das/der</i> lower part, bottom
Universität	<i>die</i> university	unterteilen	to divide up
Universitätsmathematik	<i>die</i> university mathematics	Unterteilung	<i>die</i> subdivision
Unkenntnis	<i>die</i> ignorance	Untervariatät	<i>die</i> subvariety
unklar	unclear	unterwerfen	to subject, to subjugate; to submit
Unklarheit	<i>die</i> unclarity; uncertainty	unveränderlich	unchangeable
Unlösbarkeit	<i>die</i> unsolvability	unverhältnismäßig	disproportionately, excessively
unmäßig	immoderate	unvermeidlich	unavoidable
unmittelbar	directly	unverzweigt	unramified
unmöglich	impossible	unzerlegbar	indivisible, undecomposable
unnötig	unnecessary	Urbild	<i>das</i> pre-image
unschwer	easily, without difficulty	Ursprung	<i>der</i> origin, source; (<i>MATH</i>) origin
unstetig	discontinuous	ursprünglich	original
Unstetigkeit	<i>die</i> discontinuity	Urteil	<i>das</i> opinion; (<i>JUR</i>) sentence, judgment
unten	down	usf.	(= und so fort) and so on
Unteralgebra	<i>die</i> subalgebra	usw.	(= und so weiter) etc.
unterbinden	to stop, to prevent		
Unterbündel	<i>das</i> sub-bundle		
unterdrücken	to suppress, to oppress		
untereinander	each other, among ourselves/themselves; one below the other		
Unterfangen	<i>das</i> venture, undertaking		
untergegangen	extinct		

V

vag vague

variabel variable

Variable *die* variable

Variante *die* variant

Variation *die* variation

Varietät *die* variety

variieren to vary

Vektor *der* vector

Vektoranalysis *die* vector calculus

Vektorbündel *das* vector bundle

Vektorfeld *das* vector field

Vektorraum *der* vector space

verallgemeinern to generalize

verallgemeinert generalized

Verallgemeinerung *die* generalization

Veränderlich ? variable

veränderlich variable, changeable

verändern to change

Veränderung change

verbessern to improve, to correct

verbinden to connect, to combine

verbindlich binding, obliging

Verbindung *die* connection, combination,
compound

Verbindungsgerade *die* connecting line

Verbindungsweg *der* connecting path

verblüffen to amaze, to baffle

verbreiten to spread, to shed, to radiate

verbunden joined, connected

verbünden to form an alliance

verdanken

jdm etw — to owe sb sth

verdenken

jdm etw — to blame sb for sth, to hold
sth against sb

Verderb *der* ruin

Verderben *das* ruin

verderben to spoil, to ruin

verdeutlichen to make clear

Verdienst *das* merit, credit; *der* earnings

Verein *der* club, association

vereinfachen to simplify

Vereinfachung *die* simplification

vereinheitlichen to standardize, to unify

Vereinheitlichung *die* standardization,
unification

Vereinigung *die* unification; (MATH)
union

vereinzeln to isolate

vereinzelt isolated

vererben to leave, to bequeath; to pass on;
to transmit

Vererbung *die* bequeathing; transmission

Verfahren *das* procedure, process

verfahren to act, to proceed; to spend in
travelling, to use up; to get lost; tangled,
muddled

Verfasser *der* author

verfeinern to refine

Verfeinerung *die* refinement

verfügen to direct, to order

Verfügung *die* direction, order

vergaß *see* **vergessen**

Vergessen ? forgetting?

vergessen to forget

Vergleich *der* comparison

vergleichbar comparable

vergleichen to compare

vergleichsweise comparatively

Vergnügen *das* pleasure

vergnügen to enjoy, to amuse

vergnüglich enjoyable

Vergnügung *die* pleasure, amusement

vergröbern to coarsen

Verhalten <i>das</i> behavior	Vermutung <i>die</i> supposition, suspicion;
Verhältnis <i>das</i> relationship; (<i>MATH</i>) proportion, ratio	(<i>MATH</i>) conjecture
verhältnismäßig relative, comparative	vernachlässigen to neglect
Verhältnisse <i>pl</i> conditions	Vernachlässigung <i>die</i> neglect
verhandeln to negotiate, to discuss	verneinen to deny, to answer in negative, to dispute
Verifikation <i>die</i> verification	Vernunft <i>die</i> reason
verifizieren to verify	veröffentlichen to publish
verkaufen to sell	Veröffentlichung <i>die</i> publication
verknüpfen to tie; to combine, to link, to connect, to associate	versagen to deny, to refuse; to fail
verknüpft related, associated	versäumen to miss; (<i>duty</i>) to neglect; (<i>time</i>) to lose
Verknüpfung <i>die</i> connection ???	verschaffen to get or procure sth for sb/oneself
verkommen to deteriorate, to decay	verschärfen to intensify; to aggravate; to tighten up; to sharpen (an equality)?
verkörpern to embody, to personify	Verschärfung intensification; aggravation; tightening
Verlag <i>der</i> publisher	verschieben to shift; to shunt; to postpone; (<i>MATH</i>) translate
verlangen to require	verschieden different
verlassen to leave	Verschiedenes ? different things
— sich (auf) to depend (on)	verschiedentlich several times
verlässig reliable	verschwenden to squander, to waste
Verlauf <i>der</i> course	Verschwinden <i>das</i> disappearance
verlaufen to go; to pass; to proceed; to run	verschwinden to disappear, to vanish
sich — to get lost, to lose one's way; to disperse, to disappear	versehen to supply, to provide
verletzen to injure, to hurt; to violate	sich — to make a mistake
verlieren to lose, to get lost	versehentlich by mistake
verloren <i>pp</i> of verlieren ; lost	versell versal
vermehrten to multiply, to increase	Verstand <i>der</i> mind, reason
vermeiden to avoid	verstanden <i>pp</i> of verstehen
vermeidlich avoidable	verständlich sensible, intelligent
vermerken to note	verständlichlich clear, understandable
verminderung to lessen, to decrease	Verständlichkeit <i>die</i> clarity, intelligibility
vermitteln to mediate; to arrange, to connect, to find, to convey, to impart	Verständnis <i>das</i> understanding
vermittels by means of	verstehen to understand, to know; to realize?
vermögen to be capable of	
vermuten to suppose, to suspect; (<i>MATH</i>) to conjecture	

Versuch *der* attempt, (*CHEM*) experiment
versuchen to try
vertauschbar interchangeable; (*MATH*)
commutable, commutative
vertauschen to exchange, to permute
Vertauschung *die* exchange, permutation
verteilen to distribute; to allocate; to hand
out; to spread
Verteilung *f* distribution; allocation
vertiefen to deepen
vertikal vertical
verträglich good-natured; easily digested
vertrauen to trust, to rely (on)
vertraut familiar
vertreten to represent
verurteilen to condemn; to convict; to sen-
tence
vervielfältigen to duplicate, to copy
Vervielfältigung *die* duplication, copy
vervollständigen to complete
verwandeln to change; to transform
verwandt related
Verwandte *die* relative, relation
verwarnen to caution
Verwarnung *die* caution
verwechseln to mix up, to confuse
Verwechslung *die* confusion, mixing up
verweisen to refer; to expel, to deport
verwenden to use, to spend
verwendete used
Verwendung *die* use
verwirklichen to realize, to put into effect
Verwirklichung *die* realization
verwischen to smudge, to smear
Verzeichnis *das* list, catalog, (*book*) index,
(*COMPUT*) directory
verzweifeln to despair
verzweifelt desperate
Verzweiflung *die* despair
verzweigen to branch out, to ramify
verzweigt ramified
Verzweigung *die* ramification
Verzweigungsgruppe *die* ramification
group
Verzweigungsindex *der* ramification in-
dex
vgl. (= vergleiche) cf.
viel a lot of, much
vieldeutig ambiguous
Vieldeutigkeit *die* ambiguity
Vieleck *das* polygon
vielfach many times
Vielfache *das* (*MATH*) multiple
Vielfachheit *die* multiplicity
vielmehr rather, on the contrary
viertens fourthly, in the fourth place
voll full
vollenden to finish, to complete
völlig complete
vollkommen perfect; complete, absolute;
(*MATH*) perfect
vollständig complete
vollständigkeit *die* completeness
Vollständigkeitsaxiom *das* completeness
axiom
vollziehen to carry out, to execute; to per-
form; to make
Vollziehung *die* carrying out, execution;
performance; making
Volumen *das* volume von from, by, of,
about
vorangehen to precede
vorangehend preceding
Vorangehende ? preceding ones?
voraus ahead, in advance
Voraussage *die* prediction

voraussagen to predict	vorlegen to put in front, to present; to submit
voraussetzen to assume, to take for granted, to require	Vorlesung <i>die</i> lecture
Voraussetzung <i>die</i> requirement, prerequisite	Vorliebe <i>die</i> preference, special liking
Vorbehalt <i>der</i> reservation, proviso	vorliegen to be (here), to be present
vorbehalten to reserve	vorliegend present, at issue
Vorbemerkung <i>die</i> introductory remark, preamble	vorn in front
vorbereiten to prepare	vornehmen to carry out; to take up, to undertake
vorbereitend preparatory; preliminary	vornherein
Vorbereitung <i>die</i> preparation	von — from the start
vorbeugen to lean forward; to prevent	Vorrang <i>m</i> priority
vorbeugend preventive	vorrangig of prime importance/priority; as a matter of priority
Vorbeugung <i>die</i> prevention	Vorschlag <i>der</i> suggestion, proposal
Vorbild <i>das</i> model, example	vorschreiben to prescribe, to specify
vorbildlich exemplary	Vorschrift <i>die</i> regulation(s), rule(s), instruction(s)
Vorbildung <i>die</i> educational background	Vorsicht <i>die</i> caution, care
Vordiplom <i>das</i> prediploma	vorsichtig cautious, careful
vordrängen to push to the front	vorsichtshalber just in case
vordringen to get as far as	vorstehen to project, to protrude, to be prominent; to be the head of
vorerst for the moment, present	vorstehend protrusive, protruding
Vorgabe <i>die</i> demand; default; (<i>SPORT</i>) handicap	vorstellen to put forward, to put in front; to introduce, to represent
vorgeben to pretend, to use as a pretext; (<i>SPORT</i>) to give an advantage or a start of	Vorstellung <i>die</i> introduction; performance; idea, thought
vorgegeben given	Vorteil <i>der</i> advantage
vorhanden existing, available	vorteilhaft advantageous; flattering; lucrative
vorher before	vorweg at the front; before(hand); at the outset
vorhergehen to precede	Vorzeichen <i>das</i> omen, early symptom; (<i>MATH</i>) sign
vorherig previous	vorziehen to pull forward, to draw
vorhin a little while ago	Vorzug <i>der</i> preference; advantage; asset
vorhinein	
im — in advance	
vorig previous, last	
vorkommen to come forward; to occur	
vorläufig temporary, provisional	

W

w.z.b.w. ??? Q.E.D.?

Waage *die* scales

waagrecht horizontal

Wachsen ? growth?

wachsen to grow

wachsend growing; (*MATH*) increasing

wächst *see* **wachsen**

Wahl *die* choice

wählen to select

wahr true

während during, while

Wahrheit *die* truth

Wandel *der* change

wandelbar changeable, variable

wandeln to change

Wandlung *die* change

waren *see* **sein**; would be, would have

warten to wait

weben to weave

Wechsel *der* change

Wechselbeziehung *die* correlation, interrelation

wechseln to change

wechselseitig reciprocal

wechselweise alternatively

Wechselwirkung *die* interaction

weder neither

— ... **noch** neither ... nor

Weg *der* way, path

wegen because of

wegfallen to be left out, to be cancelled, to cease

weggeben to give away

weghaben to have got done, to have got

Wegintegral *das* path integral, line integral

weglassen to leave out

wegweisend pioneering, revolutionary

weil because

Weise *die* manner, way

weisen to show; to point

Weisheit *die* wisdom

weiß *see* **wissen**; white

weit wide

Weite *die* width; space; distance

weiten to widen

weiter further

Weitere *die* further details

weiterentwickeln to develop further

Weiterentwicklung *die* further development

weiterhin further

weitermachen to continue

weitgehend far-reaching, extensive; a large degree of; to a large extent

Weizen *der* wheat

welch which

Wende *die* turn

wenden to turn

Wendepunkt *der* inflection point

Wendung *die* turn; idiom

wenig little

weniger less, fewer

wenigstens at least

wer who; the person who, anyone or anybody who; somebody, someone

werben to win, to advertise

werden to become

werfen to throw

Werk *das* work, job

Werkzeug *das* tool

Wert *der* worth, value

wert worth; dear; worthy

Wertebereich *der* co-domain

werten to rate, to judge

-wertig (*MATH*) -valued, e.g. *K*-wertig
Wertung *die* evaluation, judging
Wesen *das* being, nature; essence?, entity?
Wesenheit *die* nature?
wesentlich essential, fundamental, important, considerable
wichtig weighty, important
Widerspruch *der* contradiction
Widerstand *der* resistance
widerstehen to withstand
widmen to dedicate to; to devote to; to attend to
Widmung *f* dedication
wie how; as, like
wieder again
wiederentdecken to rediscover
wiederholen to repeat
Wiederholung *die* repetition
wiederum again, in turn, on the other hand
wiegen to rock, to shake; to weigh
wies *see* **weisen**
Wille *der* will, intention
willkürlich arbitrary, voluntary
Winkel *der* angle, corner
wird *see* **werden**
wirken to have an effect, to work, to seem
wirklich real
Wirklichkeit *die* reality
Wirkung *die* effect
Wissen *das* knowledge
wissen to know
Wissenschaft *die* science
wissenschaftlich scientific
wo where, somewhere
wobei in/by/with which, how, where
wodurch through which
wohin where
Wohl *das* welfare
wohl well; at ease, comfortable; probably
wohlbekannt well-known
wohldefiniert well-defined
wohlgemeint well-intentioned
wohlgemerkt it is understood; please be noted
wohlig contented, comfortable
wohnen to live
wollen to want
worauf on which, whereupon
woraus from/out of which
-worben *see* **-werben**
worden *see* **geworden**, *pp* of **werden**
Wort *das* word
Wörterbuch *das* dictionary
wörtlich literal, word by word
worüber over/about which
Wuchs *der* growth
wuchs *see* **wachsen**
Wucht *die* force
wuchtig massive, solid
Wunsch wish, request
wünschen to wish
wurde *see* **werden**; could, (could) become
Würfel *der* dice; (*MATH*) cube
Wurzel *die* root
Wurzelfunktion *die* root function
Wurzelkriterium *das* root test
wurzeln to be rooted
Wurzelziehen *das* (*MATH*) extracting a root

Y

Yoga *der/das* Yoga

Z

- z.B.** (= zum Beispiel) e.g.
z.T. (= zum Teil) partly
z.Z. (= zur Zeit) at present, for the time being
- Zackenfunktion** *die* jagged function
Zahl *die* number
Zahlbericht *der* number report?
zahlen to count
Zahlentheoretisch number theoretic
Zahlentheorie *die* number theory
Zähler *der* numerator
Zahlkörper *der* number field
Zahlkugel *die* number ball? $\bar{\mathbb{C}}$, = $\mathbb{P}\mathbb{C}^1$?
Zeichen *das* sign, symbol
zeichnen to draw, to mark, to sign
Zeichnung *die* drawing
zeigen to show
Zeile *die* line, row
Zeilevektor *der* row vector
Zeit *die* time
zeitig early
Zeitschrift *die* periodical
Zeitspanne *die* period of time
Zeitung *die* newspaper
zentral central
zerfallen to disintegrate, to decay; (*MATH*)
to split
zerlegbar decomposable
Zerlegbarkeit *die* decomposability
zerlegen to take to pieces, to decompose
Zerlegung *die* decomposition, partition
Zerlegung der Einheit partition of unity
Zerlegungs-Gruppe *die* decomposition
group
zerspalten to split, to split up
zerstörbar destroyable
zerstören to destroy
zerstreuen to disperse, to scatter; to dispel
zerstreut scattered; (*person*) absent-
minded
Zetafunktion *die* zeta function
Zeug *das* stuff; gear
Zeuge *das* witness
zeugen to bear witness, to testify
Zeugnis *das* certificate, evidence
zgl. (= zugleich) resp.
ziehen to draw, to pull
Ziehen *das* ache; dragging pain
Ziel *die* aim, goal
Zielbereich *der* target; co-domain
ziemlich fair; quite, pretty
Ziffer *die* figure; digit
zirka about
zitieren to quote
— **vor** to summon (before)
- zog** *see* ziehen
Zopf *der* braid
zu to
Zucker *der* sugar
zudem in addition (to this)
zueinander to each other; in each other; to-
gether
— **passen** to go together; to suit each
other
zuerst first
Zufall *der* chance; coincidence
zufällig chance, accidental
zufassen to take hold of it/them; to seize
an/the opportunity; to lend a hand
zufolge judging by, according to, as result of
zufrieden contented, content
zuführen to supply; to bring; to lead to
Zug *der* draft; breath; puff, drag; mouthful;

migration; drifting; stroke; pull; move; pull, tug; procession; section; train; truck and trailer; feature; streak; touch	connectedness
im — e in the course (of)	zusammenhängen to be connected or linked
— um — step by step	zusammenhängend connected
Zugabe <i>die</i> extra, bonus; free gift; encore	zusammensetzen to put/sit/get together; to consist
Zugang <i>der</i> entrance, access	Zusammensetzung <i>die</i> composition, mix- ture
zugänglich accessible, open, approachable	zusammenstellen to put together; to ar- range; to draw up
zugehörig associated, accompanying, affili- ated	Zusammenstellung <i>die</i> putting together; arranging; drawing up; arrangement; list; composition; survey
zugelassen authorized, registered, licensed	Zusatz <i>der</i> addition
zugleich at the same time, both	Zusatzbedingung <i>die</i> additional condition
zugrundeliegen to form the basis of	zusätzlich additional, in addition
zugrundeliegend underlying	Zusatzstruktur <i>die</i> additional structure
Zuhause <i>das</i> home	Zusatzüberlegung <i>die</i> additional consider- ation
zu Hause at home	Zustand <i>der</i> state, condition
Zuhilfenahme <i>die</i> to be with the help of	zutreffen to be correct, to apply
zuhören to listen	zutreffend accurate
Zukunft <i>die</i> future	zuweilen at times, now and then
zukünftig future; in future	zuwenden to turn to
zulassen to admit, to permit, to license	zwar surely, indeed
zulässig permissible, permitted	Zweck <i>der</i> purpose, aim
zunächst first; for the time being	zweckmäßig suitable, appropriate
zuordnen to assign	Zweckmäßigerweise <i>die</i> appropriate way
Zuordnung <i>die</i> assignment	zweiblättrig two-sheeted
zurechnen to add to; to class, to ascribe	zweidimensional two dimensional
Zurechnung <i>die</i> addition?	Zweifel <i>der</i> doubt
zurück back	zweifeln to doubt
zurückgehen to go back	Zweig <i>der</i> branch
zurückgreifen to fall back, to go back	zwingen to force
zurückkehren to return	zwingend (<i>reason, etc</i>) compelling; (<i>logi- cally</i>) necessary; (<i>proof</i>) conclusive
zurückkommen to come back	zwischen between
Zurücktreten <i>die</i> retire	Zwischenergebnis <i>das</i> interim result;
zurücktreten to step back, to retire, to withdraw (from)	
zusammenfallen to collapse; to coincide	
zusammenfassen to summarize, to unite	
Zusammenhang <i>der</i> connection; (<i>MATH</i>)	

(<i>SPORT</i>) latest score	æ	X
Zwischenwertsatz <i>der</i> intermediate value theorem	Ÿ	Y
	Ʒ	Z
zyklotomisch cyclotomic	a	a
	b	b
	c	c
	d	d
	e	e
	f	f
	g	g
	h	h
	i	i
	j	j
	k	k
	l	l
	m	m
	n	n
	o	o
	p	p
	q	q
	r	r
	s	s
	t	t
	u	u
	v	v
	w	w
	x	x
	y	y
	z	z

Statistics

Total entries: 3725
Total subentries: 164

Fraktur

Ⓐ	A
Ⓑ	B
Ⓒ	C
Ⓓ	D
Ⓔ	E
Ⓕ	F
Ⓖ	G
Ⓗ	H
Ⓘ	I
Ⓝ	J
Ⓚ	K
Ⓛ	L
Ⓜ	M
Ⓝ	N
Ⓞ	O
Ⓟ	P
Ⓠ	Q
Ⓡ	R
Ⓢ	S
Ⓣ	T
Ⓤ	U
Ⓥ	V
Ⓦ	W