

Werk

Titel: Thesaurus Mathematum Reseratus per Algebraam Novam; Ioannis de Luneschlos e Montium Salinga

Thesaurus mathematum reseratus per algebr...; Algebra nova

Untertitel: Tam speciebus quam numeris declaratam et demonstratam cui praefixa universae phil...; ;

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T A B V L A H V I V S VNIVERSAE ALGEBRAE FA C T R I M E T H O D O D C Adumbrata.

Auctor seu inventio
rovis iheronymia
Vulgaris
Facilitas.
Genus.
Finis.
Subiectum, quod est quantitas

Abstracta, eaque vel

Differenta] v[er]o Arithmetica,
continua] v[er]o Geometrica,

concreta,

Syntheticam, Simplicem, quae amplieta
condicere naturam
magnitudinum, quarum affinitate, eaque

confidetur

principium, quod est punctus, id est, vel
remo sum,

Proximum.

remo sum,

Geometrus

adscriptio, eaque vel

congruentia,

adscriptio, quae est vel

Inscriptio,

Circumscripacio,

relata, eaque vel ratione

numeri, quae est

Symmetria,

simplex, eaque vel

homonogenia,

ratio.

Rationalis

eaque

Algebraica

distributio, siem
genitudo est

additio, eaque

subtrahendio

multiplicatio,

divisione,

potestio,

radix,

fractione,

proportio,

compositio,

dispositio,

substitutio,

convenio,

comparatio,

equatio,

discrepans,

discrepancia,

discrepans,

Comparata qua
numeri inter se
comparantur, quae
comparatio fit in
discrepans,

Qualitateque dicunt Proprio
tia, eaque

Geometrica, eaque

Secundaria, dici, Harmonica, &c.
tura que

Primaria, eaque
dicitur.

continua, que est
multiplex, cuius consideratur
continuitas.

Simplex dicitur.
resiprocus

Geometrica, eaque
dicitur, eaque
Contraharmonica, &c.

Obiectum, quod est
notanda

continuum speciatu
r, affinitate, di
ffinitate, ita
et quoque composta, a
lia eaque
indirecta,

Afectum, que sunt vel

non affectum, vel
affectionis reduc
tu

Zigzag, que sunt vel
possibilia, vel his que
nugatoria, im
possibilia.

Analyticus, que sunt vel
qua considerantur eius

Arithmetica, continuu
m, quod est contin
uum, omni terminorum progressionis.

Proprietas.
continuitas et terminous;
laudatio, societas, conser
vare, invenire, inducere;

alterne, inuen
tio, de quibus in lag
allegationis.

Evidens, que sunt vel
evidencia, induc
tio, iuuentio.

Algebra mali,

continuum speciatu
r, affinitate, di
ffinitate, ita
et quoque composta, a
lia eaque
indirecta,

Geometria, eaque
dicitur, eaque
Contraharmonica, &c.

Obiectum, quod est
notanda

continuum speciatu
r, affinitate, di
ffinitate, ita
et quoque composta, a
lia eaque
indirecta,

Afectum, que sunt vel

non affectum, vel
affectionis reduc
tu

Zigzag, que sunt vel
possibilia, vel his que
nugatoria, im
possibilia.

Homogene
heteroge
gen vel [div
homo [ordin
homo
homo

Qua
implicor
homophis
homogeneus
homo

R
L

Homogenearum
 heterogenearum.
 signa vel eadem, vt sunt magnitudines affirmatae.
 negatae.
 linea ordinata, vt triangulum.
 linea inordinata, triangulatum est multangulum.
 linea diversa.

parallelogrammum
 idque
 trapezium.

rectangulum
 est vel
 oblongum,
 obliquangulum.

quadratum, huius
 considerantur

intersectæ, dicuntur diagonalia
 partes, quæ sunt diagonalio non intersectæ, vocantur complementa
 affectiones, quæ sunt vel theoreticæ
 practicæ.

summa laterum.
 perfectum, idque vel differentiae
 ex summa & differentia mixtum.
 species, quibus
 distinguitur in imperfectum, idq; vel summa laterum, quorum requiritur
 differentie perfectio.

linea.

signabum Quadrato = quadratum, Quadrato = cubum, Quadrato = quadrato = quadratum, Quadrato = quadrato = cubum. Et sic deinceps.

simplicium, earumque vel homogenearum.
 heterogenearum.
 compositarum, habentium signa vel eadem, vt sunt magnitudines affirmatae.
 negatae,
 linea diversa.

homogeneus integer, qui est vel
 heterogeneus fractus.

Rhabdologia, vel Logarithmia.
 Tabula quadratica

sunt

1. par estque pariter par.
 2. impar pariter impar.
 3. perfectus. abundans.
 imperfectus, isque deficiens.

& cubica, cuius spectatur fabrica;

ylus, qui est generalis.
 specialis, versaturq; circa

numeros proportionales in cubo.

virgas stereometricas, quæ sunt Quadratae, Cubicae.

visum sibi
timor tuae

multo pessime

mihi aaldo

multo pessime

multo pessime
timor tuae

multo pessime

multo pessime
timor tuae

T A B V L A B

Exhibens

POTESTATVM SPECIOSARVM
GENERATIONES,

2

Latere

B I N O M I O.

$a + b$ L. $a + b$ L. <hr/> $aa \uparrow ab$ $ab \downarrow bb$ <hr/> $aaa \uparrow 2 ab \uparrow bb. Q.$ $a \downarrow b$ <hr/> $aaa \uparrow 2 aab \uparrow abb$ $aab \uparrow 2 abb \uparrow bbb$ <hr/> $aaa \uparrow 3 aab \uparrow 3 abb \uparrow bbbb. C.$ $a \uparrow b$ <hr/> $aaaa \uparrow 3 aaab \uparrow 3 aabb \uparrow abbb$ $aaab \downarrow 3 aabb \uparrow 3 abbb \uparrow bbbb$ <hr/> $aaaa \uparrow 4 aaa b \uparrow 6 aabb \uparrow 4 abbb \uparrow bbbb. Q.Q.$ $a \uparrow b$ <hr/> $aaaaa \uparrow 4 aaaa b \uparrow 6 aabb \uparrow 4 abbb \uparrow abbbb$ $aaaaab \uparrow 4 aaaaabb \uparrow 6 aabb \uparrow 4 abbb \uparrow bbbb$ <hr/> $aaaaa \uparrow 5 aaaaab \uparrow 10 aabb \uparrow 10 abbb \uparrow bbbb. Q.C.$ $a \uparrow b$ <hr/> $aaaaaa \uparrow 5 aaaaab \uparrow 10 aabb \uparrow 10 aabb \uparrow 5 abbbb \uparrow abbbb$ $aaaaab \uparrow 5 aaaaab \uparrow 10 aabb \uparrow 10 aabb \uparrow 5 abbbb \uparrow bbbb$ <hr/> $aaaaaa \uparrow 6 aaaaab \uparrow 15 aabb \uparrow 20 aabb \uparrow 15 aabb \uparrow 6 abbbb \uparrow bbbb. C.C.$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 6 aaaaab \uparrow 15 aaaaabb \uparrow 20 aaaaabb \uparrow 15 aabb \uparrow 6 abbbb \uparrow abbbb$ $aaaaab \uparrow 6 aaaaabb \uparrow 15 aaaaabb \uparrow 20 aabb \uparrow 15 aabb \uparrow 6 abbbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 7 aaaaab \uparrow 21 aaaaabb \uparrow 35 aabb \uparrow 35 aabb \uparrow 21 aabb \uparrow 7 abbb \uparrow hhhh. Q.Q.C.$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 7 aaaaaaab \uparrow 21 aaaaabb \uparrow 35 aaaaabb \uparrow 35 aaaaabb \uparrow 21 aabb \uparrow 7 abbb \uparrow abbbb$ $aaaaaab \uparrow 7 aaaaaaab \uparrow 21 aaaaabb \uparrow 35 aaaaabb \uparrow 35 aabb \uparrow 21 aabb \uparrow 7 abbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 8 aaaaaaab \uparrow 28 aaaaabb \uparrow 56 aaaaabb \uparrow 70 aabb \uparrow 56 aabb \uparrow 28 aabb \uparrow 8 abbb \uparrow bbbb. Q.C.C.$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 8 aaaaaaab \uparrow 28 aaaaabb \uparrow 56 aaaaabb \uparrow 70 aabb \uparrow 56 aabb \uparrow 28 aabb \uparrow 8 abbb \uparrow bbbb$ $aaaaaab \uparrow 8 aaaaaaab \uparrow 28 aaaaabb \uparrow 56 aaaaabb \uparrow 70 aabb \uparrow 56 aabb \uparrow 28 aabb \uparrow 8 abbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 9 aaaaaaab \uparrow 36 aaaaabb \uparrow 84 aaaaabb \uparrow 126 aaaaabb \uparrow 126 aabb \uparrow 84 aabb \uparrow 36 aabb \uparrow 9 abbb \uparrow bbbb. C.C.C.$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 9 aaaaaaab \uparrow 36 aaaaabb \uparrow 84 aaaaabb \uparrow 126 aaaaabb \uparrow 126 aabb \uparrow 84 aabb \uparrow 36 aabb \uparrow 9 abbb \uparrow abbbb$ $aaaaaab \uparrow 9 aaaaaaab \uparrow 36 aaaaabb \uparrow 84 aaaaabb \uparrow 126 aaaaabb \uparrow 126 aabb \uparrow 84 aabb \uparrow 36 aabb \uparrow 9 abbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 10 aaaaaaab \uparrow 45 aaaaaaab \uparrow 120 aaaaaabb \uparrow 210 aaaaabb \uparrow 252 aaaaabb \uparrow 210 aaaaabb \uparrow 120 aabb \uparrow 45 abbb \uparrow bbbb. Q.Q.C.C.$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 10 aaaaaaab \uparrow 45 aaaaaaab \uparrow 120 aaaaaabb \uparrow 210 aaaaabb \uparrow 252 aaaaabb \uparrow 210 aabb \uparrow 45 abbb \uparrow 10 abbb \uparrow bbbb$ $aaaaaaa \uparrow 10 aaaaaaab \uparrow 45 aaaaaaab \uparrow 120 aaaaabb \uparrow 210 aaaaabb \uparrow 252 aaaaabb \uparrow 210 aabb \uparrow 45 abbb \uparrow 10 abbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 11 aaaaaaab \uparrow 55 aaaaaaab \uparrow 165 aaaaaaab \uparrow 330 aaaaaaab \uparrow 462 aaaaabb \uparrow 462 aaaaabb \uparrow 330 aabb \uparrow 55 abbb \uparrow 11 abbb \uparrow bbbb$ $a \uparrow b$ <hr/> $aaaaaaa \uparrow 11 aaaaaaab \uparrow 55 aaaaaaab \uparrow 165 aaaaaaab \uparrow 330 aaaaaaab \uparrow 462 aaaaabb \uparrow 462 aaaaabb \uparrow 330 aabb \uparrow 55 abbb \uparrow 11 abbb \uparrow abbbb$ $aaaaaaa \uparrow 11 aaaaaaab \uparrow 55 aaaaaaab \uparrow 165 aaaaaaab \uparrow 330 aaaaaaab \uparrow 462 aaaaabb \uparrow 462 aaaaabb \uparrow 330 aabb \uparrow 55 abbb \uparrow 11 abbb \uparrow bbbb$ <hr/> $aaaaaaa \uparrow 12 aaaaaaab \uparrow 66 aaaaaaab \uparrow 220 aaaaaaab \uparrow 495 aaaaaaab \uparrow 924 aaaaaaab \uparrow 924 aaaaaaab \uparrow 792 aaaaaaab \uparrow 792 aaaaaaab \uparrow 495 aabb \uparrow 66 abbb \uparrow 12 abbb \uparrow bbbb. C.C.C.C.$
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160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220.

160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220.

160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220.

T A B V L A C
P O T E S T A T V M A D S C E N D E N T I V M,
^{nr}
F O E C V N D A
 Ita Mirifica.

| L | Q | C | QQ | QC | QQQ seu CC | Q QC | Q CC | CCC | Q QC | Q CC | CCC | Q QC | Q CC | CCC | |
|---|-------|-------|-----------|-------------|---------------|-----------------|-------------------|---------------------|-----------------------|-------------------------|---------------------------|-----------------------------|-------------------------------|---------------------------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| I | a a | a a | a a a | a a a a | a a a a a | a a a a a a | a a a a a a a | a a a a a a a a | a a a a a a a a a | a a a a a a a a a a | a a a a a a a a a a a | a a a a a a a a a a a a | a a a a a a a a a a a a a | a a a a a a a a a a a a a a | a a a a a a a a a a a a a a a |
| A | a a b | a a b | a a a b | a a a b b | a a a b b b | a a a b b b b | a a a b b b b b | a a a b b b b b b | a a a a b b b b b b b | a a a a a b b b b b b b | a a a a a a b b b b b b b | a a a a a a a b b b b b b b | a a a a a a a a b b b b b b b | a a a a a a a a a b b b b b b b | a a a a a a a a a a b b b b b b b b |
| B | b b | b b | b b b | b b b | b b b b | b b b b b | b b b b b b | b b b b b b b | b b b b b b b b | b b b b b b b b b | b b b b b b b b b b | b b b b b b b b b b b | b b b b b b b b b b b b | b b b b b b b b b b b b b | b b b b b b b b b b b b b b |
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| L | Q | C | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| | | | QQ | QC | QQQ seu CC | Q QC | Q CC | CCC | Q QC | Q CC | CCC | Q QC | Q CC | CCC | |

