

Index (with Glossary)

- Acute (**ὄξεια**), defined, I. Def. 12 (p. 1)
- Adjacent (**ἐφεξῆς** = in order), I. Def. 10 (p. 1)
- Alternate (**ἐναλλάξ**), of angles, I. 27 (p. 21)
of ratios, alternately (*alternando*), V. Def. 12 (p. 99)
- Angle, angles (**γωνία**),
adjacent, I. Def. 10 (p. 1)
alternate, I. 27 (p. 21)
bisection, I. 9 (p. 8)
bisection of angle of triangle cuts base proportionally to sides, VI. 3 (p. 125)
in circles,
at center double that at circumference, III. 20 (p. 66)
between tangent and diameter, III. 16, 18–19 (pp. 63–66)
between tangent and chord equal to that in alternate segment, III. 32 (p. 74)
construction of segment of circle admitting a given angle, III. 33–34 (pp. 75–77)
definitions, III. Defs. 6–8 (p. 51)
in same segment are equal, III. 21 (p. 67)
in semicircle is right, III. 31 (p. 73)
construction of equal angle, I. 23 (p. 18)
construction of segment of circle admitting a given angle, III. 33–34 (pp. 75–77)
definitions, I. Defs. 8–9 (p. 1)
exterior and interior (to a figure), I. 16 (p. 13)
interior and opposite, I. 16 (p. 13)
horn-like (**κερατοειδής**): the “angle” between a circle and a tangent to it, III. 16, (p. 63)
involving parallel lines cut by a transverse, I. 27–29 (pp. 21–22)
right angles (**ὀρθαὶ γωνίαι**), I. Def. 10 (p. 1), I. Post. 4 (p. 2)
rectilinear (**εὐθύγραμμος**), I. Def. 9 (p. 1)
of a segment, III. Def. 7 (p. 51)
in a segment, III. Def. 8 (p. 51)
of a semicircle, greater than any acute rectilinear angle, III. 16 (p. 63)
in a semicircle, equal to a right angle, III. 31 (p. 73)
vertical, I. 15 (p. 12)
solid,
defined, XI. Def. 11 (p. 367)
used, XI. 20–21, 23, 26 (pp. 383–388, 391)
- An-Nairizī, p. xxvi
- Annex (**προσαρμόζουσα**) X. 79–80 (p. 317–318)
- Antecedents (**ἡγούμενα**) (leading terms in proportion), V. Def. 11 (p. 99)
- Apollonius, p. xix
- Apotome,
defined, X. 73 (p. 313)

Apotome, continued

first, second, third, fourth, fifth and sixth apotomes,
 defined X. Defs. III. 1–6 (p. 323)
 found, X. 85–90 (pp. 324–330)

Apotome of a medial (straight line),

first apotome of a medial, defined, X. 74 (p. 313)
 uniquely formed, X. 80 (p. 318)
 equivalent to square root of second apotome, X. 92 (p. 332)
 second apotome of a medial, defined, X. 75 (p. 314)
 uniquely formed, X. 81 (p. 319)
 equivalent to square root of third apotome, X. 93 (p. 334)

Application of area, I. 44 (p. 32), VI. 27–29 (pp. 148–151)

Archimedes, p. xix

Aristotle, p. xxv

Asymptotic (**ἀσύμπτωτα**, “non-meeting”), of parallel planes, XI. Def. 8
 (p. 367)

Axioms (**ἀξιώματα**), *see* Common notions

Axis (**ἄξων**),

of cone, XI. Def. 19 (p. 368)
 of cylinder, XI. Def. 22 (p. 368)
 of sphere, XI. Def. 15 (p. 368)

Base (**βάσις**),

of cone, XI. Def. 20 (p. 368)
 of cylinder, XI. Def. 23 (p. 368)
 of triangle, I. 4 (p. 5)

Basle, Greek edition of 1533, p. xv

Bimedial (straight line),

first bimedral defined, X. 37 (p. 273)
 uniquely divided, X. 43 (p. 278)
 equivalent to square root of second binomial, X. 55 (p. 292)
 second bimedral defined, X. 38 (p. 273)
 uniquely divided, X. 44 (p. 278)
 equivalent to square root of third binomial, X. 56 (p. 294)

Binomial (straight line),

defined, X. 36 (p. 272)
 first, second, third, fourth, fifth and sixth binomials,
 defined X. Defs II. 1–6 (pp. 282–283)
 found, X. 48–53, (pp. 283–290)
 are equivalent to squares of binomial, first bimedral etc., X. 60–65
 (pp. 298–304)
 uniquely divided, X. 42 (p. 277)
 equivalent to square root of first binomial, X. 54 (p. 290)
 cannot be apotome also, X. 111 (p. 358)
 different from medial (straight line) and from other irrationals (first bimedral, etc.) of same series with itself, X. 111 (p. 359)