

Werk

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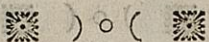


jusce quinti libri propositionibus, sine septimo, octavo, nono de numeris ex professo tractantibus, demonstrari possunt. Antiquorum *Musica* proportiones Geometricas Sonorum modulamini applicatas rite dixeris: quod *idem* fere de *Statica*, corporum ponderibus applicata, possis asserere. Ut rem totam paucis complectar, si proportionis doctrinam e Mathesi abstuleris, nihil fere præclarum aut egregium relinques.

ARGUMENTUM

ELEMENTI SEXTI EUCLIDIS.

Incipit Liber *Sextus* egregiam illam de proportione Geometrica Doctrinam in Lib. V. expositam, usibus variis, planeque præstantissimis applicare: & a triangulis, figurarum simplicissimis exorsus, eorum latera & areas, prout ad se invicem proportione quadam respondent, investigat. Deinde
lineas



lineas proportionales & figurarum augmenta aut decremēta proportionalia definit: & quo easdem modo in ratione data augeamus aut minuamus, ostendit. Regulam etiam Auream sive proportionalem, totius arithmeticae palmariam aperit, & in rectangulo triangulo non tantum quadratum sed pentagonum, hexagonum, & universum polygonum quodcumque ab hypotenusa descriptum, æquari quadratis, pentagonis, hexagonis vel quibuscumque polygonis similibus a duobus lateribus descriptis, demonstrat. Postremo facillima certissimaque tum lineas tum superficies tum corpora mensurandi principia, in omnibus Mathematicarum scientiarum partibus utilissima proponit.



EUCLIDIS