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978-1-108-06365-4 - Claudii Ptolemaei Opera Quae Exstant Omnia: Volume 1:

Syntaxis Mathematica: Part 2: Libri VII–XIII

Edited by Johan Ludvig Heiberg

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Classics

From the Renaissance to the nineteenth century, Latin and Greek were compulsory subjects in almost all European universities, and most early modern scholars published their research and conducted international correspondence in Latin. Latin had continued in use in Western Europe long after the fall of the Roman empire as the lingua franca of the educated classes and of law, diplomacy, religion and university teaching. The flight of Greek scholars to the West after the fall of Constantinople in 1453 gave impetus to the study of ancient Greek literature and the Greek New Testament. Eventually, just as nineteenth-century reforms of university curricula were beginning to erode this ascendancy, developments in textual criticism and linguistic analysis, and new ways of studying ancient societies, especially archaeology, led to renewed enthusiasm for the Classics. This collection offers works of criticism, interpretation and synthesis by the outstanding scholars of the nineteenth century.

Claudii Ptolemaei opera quae exstant omnia

Best known for his 1906 discovery of lost texts in the Archimedes Palimpsest, Danish scholar Johan Ludvig Heiberg (1854–1928), professor of classical philology at Copenhagen, published numerous editions of ancient mathematicians, including Archimedes and Apollonius of Perga (also reissued in this series). Between 1898 and 1907, he published in three parts the extant astronomical works of Ptolemy, active in second-century Alexandria. The Ptolemaic system, his geocentric model of the universe, prevailed in the Islamic world and in medieval Europe until the time of Copernicus. This second part of Volume 1, published in 1903, contains a brief Latin preface and the Greek text of Books 7–13 of Ptolemy's major astronomical treatise, known as the *Almagest*. It demonstrates how to use astronomical observations to construct cosmological models and includes tables that make it possible for celestial phenomena to be calculated for arbitrary dates.

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CLAUDII PTOLEMAEI
OPERA QUAE EXSTANT OMNIA
VOLUMEN I.

SYNTAXIS MATHEMATICA

EDIDIT

J. L. HEIBERG,
PROFESSOR HAUNIENSIS.

PARS II
LIBROS VII–XIII CONTINENS.



LIPSIAE
IN AEDIBUS B. G. TEUBNERI
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PRAEFATIO.

In hoc uolumine, quod sine mea culpa tardius prodit quam uoueram, nouum adcessit subsidium, maxime ubi D deficit,

G — cod. Vaticanus gr. 184 bombyc. s. XIII. praemittuntur 6 folia non numerata (I^r index recens, I^v uacat, II index paulo uetustior, III^r titulus antiquus: Ammonius in Porphyrium et alia eiusdem et aliorum 184 et manu etiam antiquiore: Claudii Ptolemaei opus. III^v uacat. IV fragmentum alius codicis eiusdem generis, inc. *πίναξ ἀκριβῆς τῆς γραφῆς τοῦ βιβλίου*. (‘E)ρμού ἱατροῦ μαθηματικά, des. *τυχῶν σώζεται ἢ ἀποθνήσκει*. V—VI index Vaticanus). continet f. 1—8^r *ὑπόθεσις τοῦ ἀστρολάβου καὶ κατ’ Ἰνδοῦς ψηφηφορία ἡ λεγομένη μεγάλη* (inc. *εἰ βούλει γινώσκειν τὴν τοῦ ἀστρολάβου μέθόδον*, fol. 2^r *καὶ ταῦτα μὲν περὶ τῆς μεθόδου τοῦ ἀστρολάβου: — ψηφηφορία κατ’ Ἰνδοῦς ἡ λεγομένη μεγάλη*. εἶπωμεν δὲ καὶ περὶ τῶν, des. *οὗ τὴν πλευρὰν ἐξήτεις εὐρεῖν*), f. 8^r—8^v *ψηφηφορία ἡλίου*, ψ. ζ, ψ. τῶν *ἑ πλανωμένων*, f. 9 (alia manu alioque atramento) *ὑπόδειγμα τὰ ἀπ’ ἀρχῆς Ἀγούστου*, des. fol. 9^v *ψηφηφορίας ἐνθαδὶ τέτραμα φίλος*, f. 9^v scholia aliquot et tabulam computatoriam, f. 10—24 introductionem in Ptolemaeum, f. 25—80 *Θέωνος Ἀλεξανδρέως σχόλια πάνυ χρήσιμα εἰς τὴν μεγάλην σύνταξιν Πτολεμαίου*, f. 80^v—81^r scholia in Ptolemaeum alia manu, f. 81^v epigramma in Ptolemaeum, f. 82—220 Ptolemaei Syntaxin usque ad II p. 589, 7 *ἀνωμαλίας*.

a*

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praeterea in extrema parte libri XIII contuli

H — cod. Marcian. gr. 303 bombyc. s. XIV et chartae.
s. XV, de quo u. Morellii Bibliotheca manuscr. p. 179 sq.,
et in tabula p. 606—7

K — cod. Uatican. gr. 1291 membr. s. IX fol. 89, de
quo u. Franciscus Boll, Sitzungsberichte der philos.-
philol. und der histor. Classe der k. bayer. Akademie
der Wissenschaften 1899 p. 110 sq.

Prolegomena critica de codicum ratione et de codicibus
in adparatu non usurpatis, quorum materiem collectam
habeo totam, indicemque nominum, ne moles huius uolu-
minis immodica fieret, tertio seposui, quod scripta astro-
nomica minora continebit.

In adparatu ad p. 414, 1 pro nomine Halmae sub-
stituendum ed. Basil.; in parte priore descriptio in fine
adiecta ponenda erat post p. 544.

Scr. Hauniae Kal. Iul. MDCCCCII.

J. L. Heiberg.