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THEORIA SATELLITUM IOVIS ET SATURNI

in qua precipua horum planetarum secundariorum Phenomena geometrica designatione sistuntur.
 à IOH. GABR. DOPPELMAIERO, Acad. Imp. Leopoldino-Carolina Nat. Societatum, Regiarum, Anglicana et Borussia, Sodali et Mathem. Prof. P.
 Sumptibus Hæredum Hæmannianorum, Noribergæ.

De Phenomenis motus Satellitum Iovis et Saturni.
 Planeta secundarii in orbitis ellipticis motum ab occasum ortum inaequalem, circa suos primarios, lunarem instar perpetuo exercent, et æstivi sunt, ducti ad illorum centra lineis, pari ratione aequali temporibus proportionales, ut radii nostris respectu, Iovis et Saturni æstivæ in orbitarum suarum partes inferiores delati, per viam contrariam, nempe ab ortu in occasum, moveri videntur, ex quo variis cometum situs notati perquam digni. Et quia in imo ex illorum revolutione cum primariis motus Iovis cyclodecim salubus combinati oriuntur, Fig. 8, 9, quibus probe perillustratis magnum hac Theoria incrementum capiet.

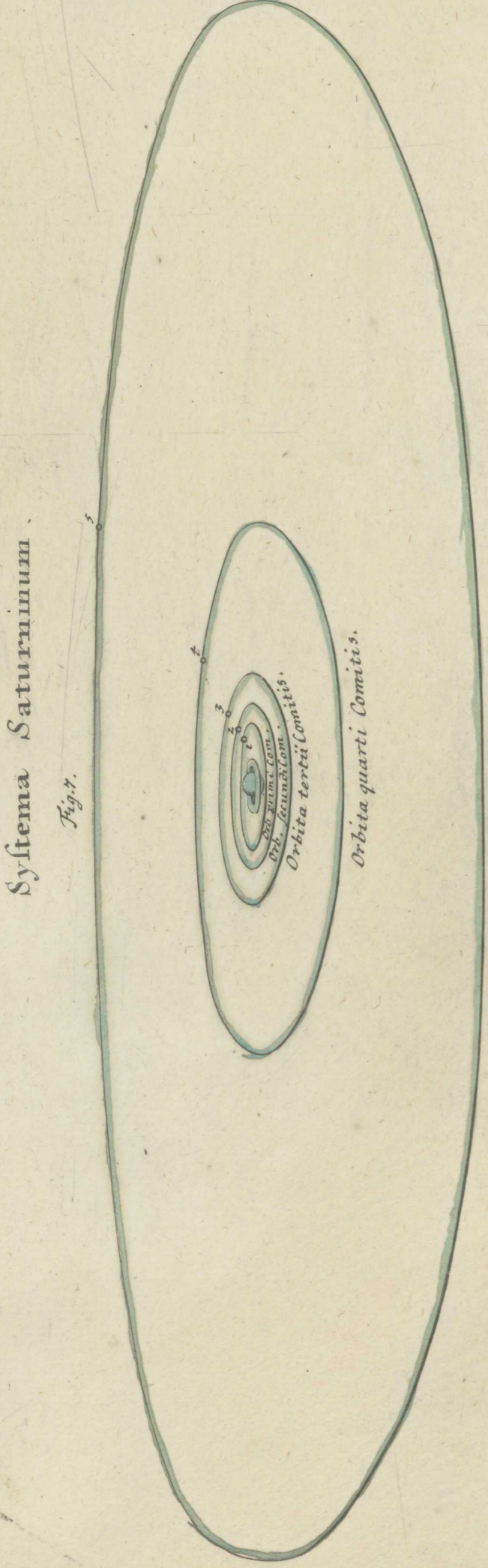
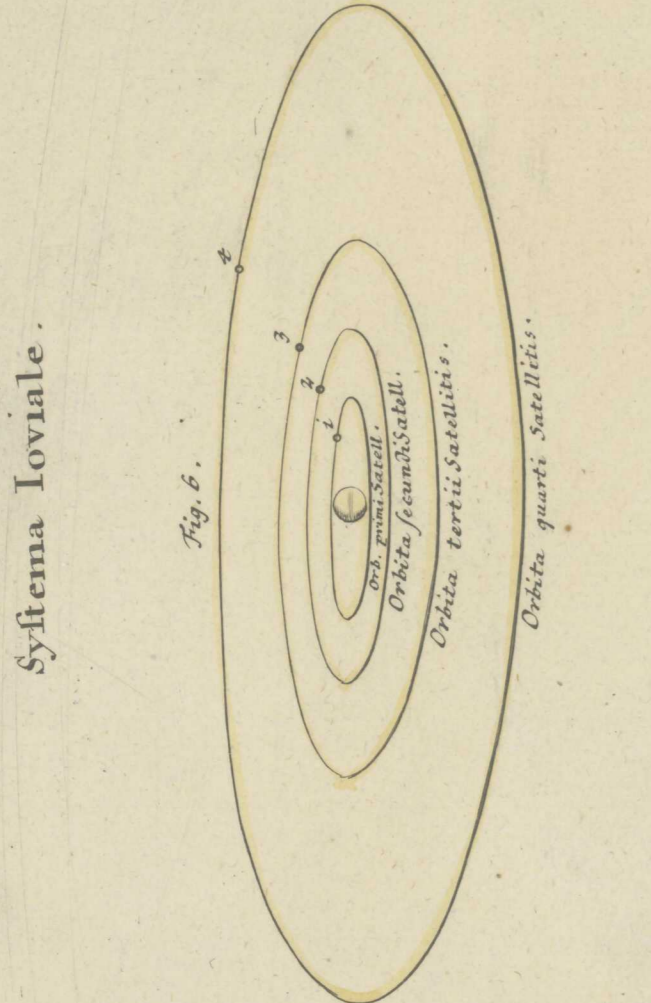
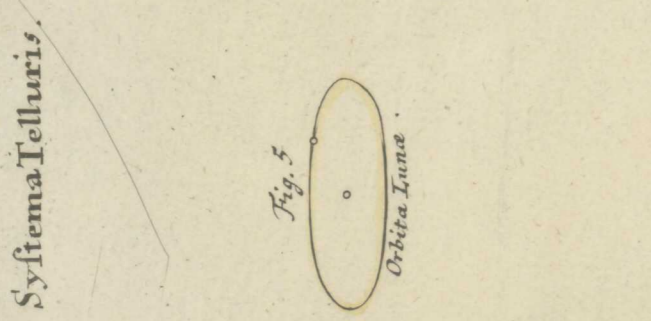
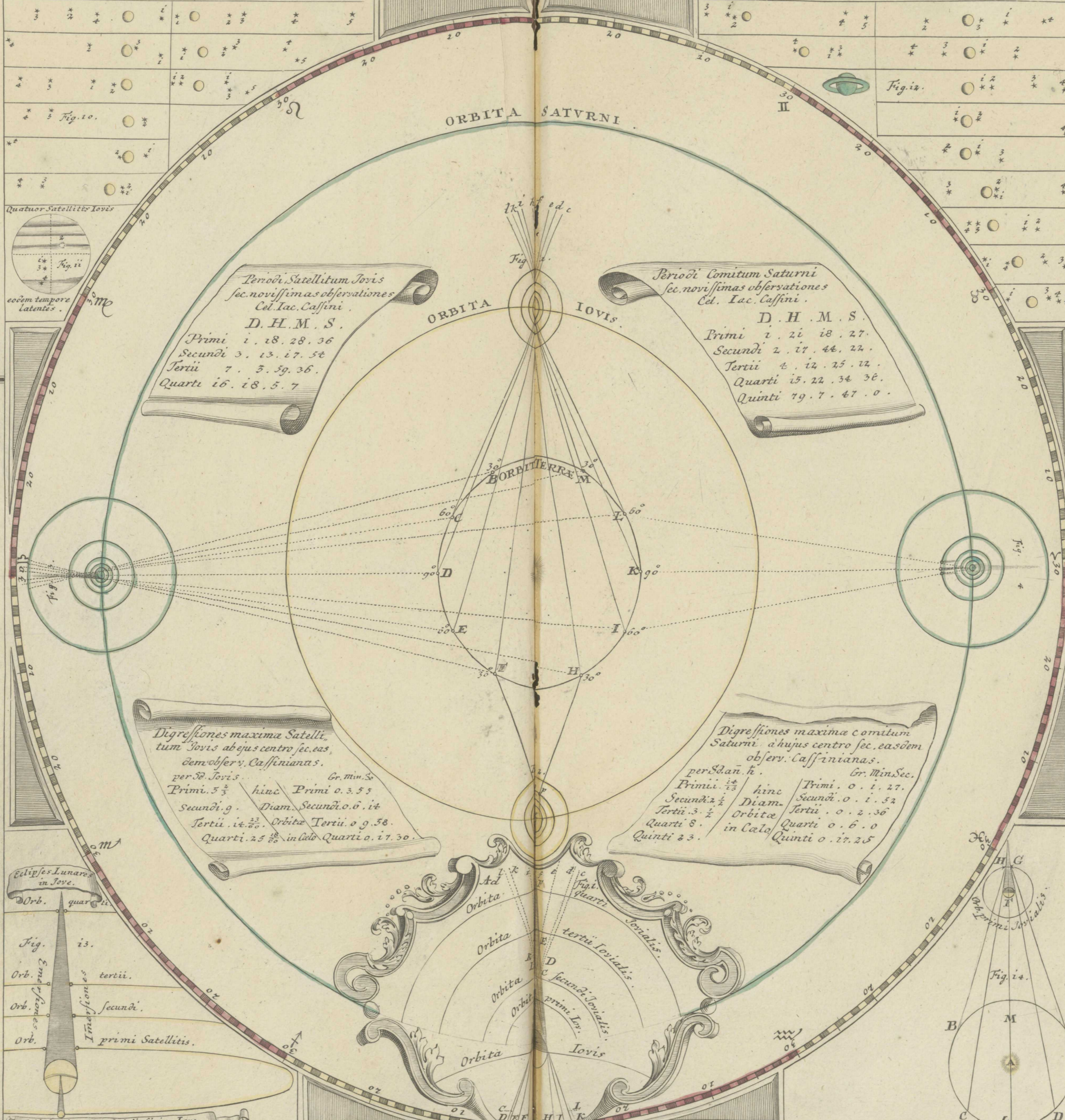
De Eclipsibus cometum Iovis et Saturni, et quidem primo de Lunaribus.
 Eclipses in suis speculabilibus sicut et in suis corporibus accidunt, tertius tamen non nunquam, et quartus sæpius, in distantia 60 graduum à conjunctione, circa M. exhibebuntur, quoque et hanc ad 30 gradum versus oppositionem, circa M. exhibebuntur, tunc vero ab M. per A. ad B. usque, et immersiones et emersiones de corporis primarii interpositionem, et subant. ad B. post trigessimam oppositionem, graduum spem habebunt omnium, emersiones, ut et immersiones, tertii et quarti ad C. per D. et E. ad F. ubi denique ad E. ad H. tempore conjunctionis ad C. celebrate, interea et Iupiter et Satellites ejus, et occasum heliacum, latibunt.

Situs Satellitum Iovis et Saturni variis notatu digni.



Alii situs Cometum Saturni et Iovis notabiles.

Fig. 12.



De aliis Eclipsibus in Iove et Saturno.
 Secundum Eclipsium genus, quod cum vulgo dicitur solis, rectius terre, cum, et Satellites per aliquod tempus in suis conjunctionibus corporalis opposicione non nisi à remota conjunctione non vera, prout antea per Jerusalem in finem ad o. ex Terra ad E. H. Iovem transmeant, vialis in n. et p. cum Iove conjunguntur, et orbitam suam primariam respectu, majores juste sistuntur, exhibitas et observatas.

De motu luminis successivo ex Hypothesi Olai Roemer.
 Cæsar. Cassiniani et Roemer, ex comparatione observationum Iovialium in tergo probe instituta, dependunt, primum Satellitem post opposicione, nempe Iovis cum Sole, Terra in B. constituta, tertius, C. vid. Fig. 13 et ortum ad C. delata, subinde multo tardius, uno tardissime circa conjunctionem in L. cum differencia et minorum à calculo, et H. emersisse; à conjunctione vero L. per D. et E. ad M. tandem Satellitem tempore per cal. culum exhibitur, antequam in immersione ad C. quibus Phenomenis Roemeris situeret conatus, lumen successivo tardius ad L. citius, a M. obdista non minus majorem et minorem, à L. pertingere, que apud multos applausum invenit, sed hæc, cum illa in reliquis tribus differant, a plurius istorum predicta.

