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Sphaera mundi

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Notandū □ sol hz unicuz

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Capitulū quartū de circulis ⁊ motibꝫ plane
tar. Et de causis eclipſium ſolis ⁊ lune

Notandū qꝫ ſol hꝫ unicuſqꝫ

circulū pꝫ quē mouet in ſupficie linee ecliprice. ⁊ ē ec
centricꝫ. **E**ccentricꝫ qꝫdam circulus dꝫ nō oīs circulus. ſꝫ ſolū talis qꝫ
diuidens terram in duas ptes equales nō hꝫ centrum ſuum cū cen
tro terre ſed extra. **P**unctꝫ autē in eccentrico qui maxime accedit ad
firmamentum appellatur aux quod interpretatur eluatio. **P**unctꝫ
vero oppoſitus qui maxime remotꝫnis eſt a firmamento dꝫ oppo
ſitio augis. **S**olis autē ab occidente in orientē duo ſunt motꝫ. quo
rum vnus eſt a pꝫriꝫ in circulo ſuo eccentrico quo mouetur in om
ni die ac nocte. 60. minutis fere. **A**lius vero tardior eſt motꝫ ſphe
re ipſius ſupra polos axis circuli ſignoz ⁊ eſt equalis motꝫ ſphere
ſtellarum fixaz. ſꝫ in 100. annis gradu vno. **E**x his itaqꝫ duobꝫ mo
tibus colligitꝫ curſꝫ eꝫ in circulo ſignoz ab occidēte in orientem. pꝫ
quē abſcindit circulū ſignoz in 365. diebꝫ ⁊ qꝫta vnꝫs diei fere pre
ter rem modicā qꝫ nullius eſt ſenſibilitatis

Poſtqꝫ autor expoſuit ea in tribꝫ capitulis ſufficiter qꝫ in pe
nſio declarare pmiſerat in hoc qꝫto caplo ſpecialꝫ ſup motꝫ planetaz
deſcēdit volēs exponere ea qꝫ pꝫcipalꝫ intēdebat. ſꝫ circulos ſup qꝫbus
motꝫ planetaz irregulares reſpectu pꝫmi me bilis cauſant atqꝫ etiaꝫ
cauſas eclipſiꝫ ſolis ⁊ lune. ⁊ qꝫ motꝫ ſolis faciliꝫ ē oibꝫ alijs plane
tis. ipſe etiā tanqꝫ rerꝫ inter alios planetas. qꝫre pꝫmo de motꝫ ſolis de
terminat eo ipſo pmiſſo qꝫ ad irregularitatē motꝫ ſunt neceſſaria

Nota pꝫmo vnꝫſquꝫqꝫ ex ſeptē planetis vt in pꝫmo caplo tactū ē
hꝫ ſphera pꝫpria ſim ſe totā mūdo concentricā. i. ſim ſupficie exteriorē
ſꝫ duā ⁊ interiorē concā ſim eā totā ſphera ſup polis zodiaci oc
tāue ſphere in ducentis annis ſim ſucceſſionē ſignoz pꝫ vnū gradū et
28. minuta mouet. **E**t i. 49. milibꝫ annoꝫ loquēdo naturali curſꝫ
vel reuolutōem vnā cōplet. **E**t hꝫc motꝫ dꝫ angū motꝫ. **E**t qꝫ luna

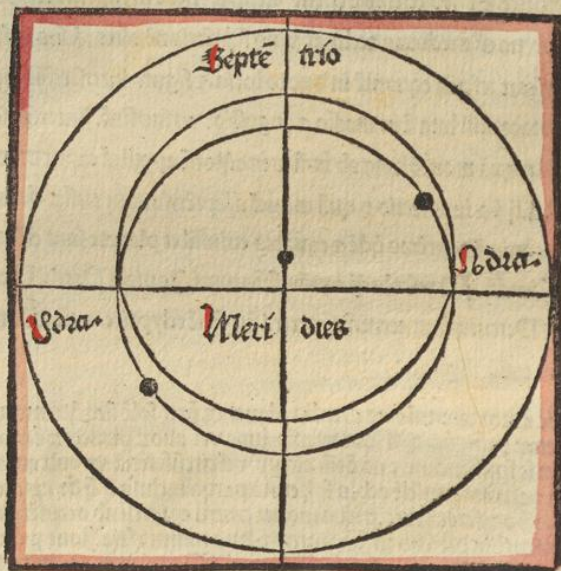
nō hz augem firā. iō ab alijs planetis excipit q̄rū ad motū orbium
 auges referentiū vt iā dictū ē. **M**ouet em̄ tota sphaera lune vel sm̄ or
 bes auges lune referentiū sup̄ axe pp̄rio cui⁹ termini vel poli distāt a
 polis zodiaci p̄ q̄nqz grad⁹ inuariabilr. **E**t fit talis mot⁹ in die natu
 rali p̄ .j. grad⁹ et .12. minuta fere p̄tra successiōē signoz h̄ ē ab orien
 te h̄ius occidentē zc. **N**ota sc̄do sol triplicē h̄z motū vñū a p̄mo
 mobili sp̄ in die naturali faciēdo reuolutōez ⁊ hic mot⁹ rap̄t⁹ d̄r et
 fit sup̄ polis mūdi ab oriente h̄ius occidentē. **A**lī⁹ fit ab octaua sphe
 ra zc q̄ motu in p̄mo notabili dictū ē. **E**t h̄z autor dicit q̄ in centum
 annis vno gradu moueat. **L**oquit opinione **P**tholomei q̄ tpe mo
 tus dicit⁹ nondū h̄e fuit inuētus. **T**erc⁹ motus ē ei pp̄rio ab occide
 te h̄ius orientē. **I**n die naturali sup̄ circulo cui infir⁹ ē ecētrico p̄ .59
 minuta et .8. fere sc̄da. **E**st at ecētric⁹ iste in c̄cauitate toti⁹ sphaere ita
 inclusus vt ex vna ei⁹ p̄te plus accedit ad firmamentū. et alia at p̄te
 a firmamēto magis remouet. **I**deo sup̄ alio centro q̄ mūdi descrip
 tus ē. **E**t ps ecētric⁹ q̄ magis accedit ad firmamentū d̄r aux. q̄ at ma
 gis remouet d̄r oppositū augis. **E**t dicta intelligant etiā de ecētric⁹
 eis alioz planetaz. **V**el referentiū centra epyclorū zc.



¶ Quilibet aut planeta tres hz circulos pter solē. scz equantē deferētē
et epicyclū. Equans qdē lune ē circul^o concentric^o cū terra. ⁊ ē in supfi-
cie ecliptice. Et s^o deferēs ē circul^o eccentric^o nec ē in superficie eclipti-
ce. imo vna c^o medietas declinat s^o septentrionē altera s^o austz
et intersecat deferēs equantē in duobz locis. ⁊ figura intersectōis ap-
pellat^r draco. qm̄ lata ē in medio ⁊ angustior vers^o finē. Intersectio
igit^r illa p quā mouet luna ab austro in aq̄lonē appellat^r caput draco-
nis. Reliq̄ s^o intersectio p quā mouet a septentrione in austz d^r cau-
da draconis. Deferētēs qdē ⁊ equatēs cuiuslibet planete sunt eq̄les.
¶ Et sciendū q̄ tā deferēs q̄ equās. Saturni. Iouis Martis. Vene-
ris ⁊ Mercurij sunt eccentrici ⁊ extra superficie ecliptice. ⁊ tñ illi duo
sunt in eadē superficie.

¶ Hic autor determinat de circulis planetarū pter solē sup q̄bz motus
planetarū ptingūt. ¶ Nota deferēs lune vel alioz planetarū ē orbis
h^o in se spissitudine ⁊ nō ē tñ circul^o vel circūferētia vt vult autor.
Et in p̄cauitate eiusdē orbis spherula parua inclusa ē q̄ d^r epicycl^o
Orbis s^o deferēs vel ecētricus mouet centrū epicycli ab occidēte ver-
sus orientē in die vno in Saturno p duo minuta fere Ioue p qnqz
minuta Marte p. 3j. minuta Venere ⁊ Mercurio p. 59. minuta.
In luna at p. 13. grad^o et. 11. minuta. Et hic motus cētri appellat^r. In
luna s^o mot^o medius. q̄ iunct^o motū orbū lune vt sup. 11. gradibz
et. 12. minutis mot^o centri lune p diē emergit scz. 24. grad^o et. 23. fe-
re minuta Alius s^o ex circulis vt vult autor ē epicycl^o q̄ etiā nō est
tñ circul^o sed ē vna spherula q̄ intra se alios orbis includit ⁊ sibi cor-
pus planete infirū ē qd ad motū epicycli mouet in Saturno p diē
ad. 57. minuta Ioue p. 54. minuta Marte p. 28. minuta Venere p
3. minuta Mercurio p. 3. grad^o. 26. minuta In luna p. 13. grad^o et
4. minuta Mouet at epicyclus lune in pte supiori ab oriente s^o s^o
occidentē in pte inferiori ab occidēte s^o s^o orientē. In alijs at qnqz
planetis mot^o epicycli p̄trario mō se hz. ¶ Itē ali^o ex circulis ē equās
q̄ pprie circul^o vel circūferētia nominat^r ⁊ ecētric^o circul^o solū ima-
ginatus sup q̄ mot^o centri epicycli regulariter mouet nā sup centro
deferētis irregulariter circūferit. In luna at nullus ē equās. qz motus

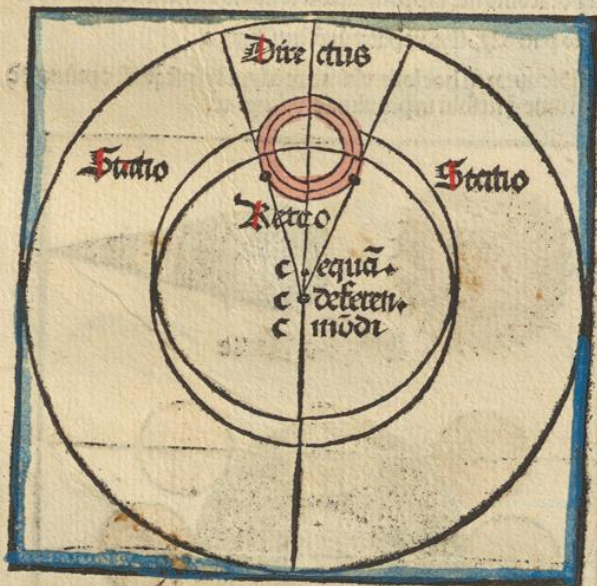
equis vel regulari in orbe signorum contingit. Sed est quidam orbis mundo
 pcentricus qui caput et caudam draconis in die naturali ultra motum
 diurnum ab oriente plus occidentem per tria minuta circūducit etc.



Quilibet etiam planeta preter solē habet epicyclū. Et est epicyclus circulus
 parvus pro cuius circumferentiā deferretur corpus planete. et centrū epicycli sepe de-
 fertur in circumferentiā deferētis. Si igitur due linee ducantur a centro terre.
 ita quod incidant epicyclū alicuius planete una ex parte orientis. reliqua ex parte
 occidentis. punctus tractus ex parte orientis dicitur statio prima. punctus secundo con-
 tactus ex parte occidentis dicitur statio secunda. Et quando planeta est in alterutra illarum
 stationū dicitur stationarius. Arcus secundo epicycli superior inter duas stationes
 interceptus dicitur directio. et quando planeta est in illo tunc dicitur directus. Arcus secundo
 epicycli inferior inter duas stationes interceptus dicitur retrogradatio. et pla-

neta ibi ep̄is d̄: retrograd^o Lūne aut̄ nō assignat̄ statio directio v̄l retrogradatio. Cū nō d̄: luna stationaria directa vel retrograda propter velocitatē motus eius in epicyclo

¶ Autor in h̄ loco ondit quō quibet planeta d̄pto sole h̄z epicyclis in q̄ mouet̄. rone cur^o mor^o q̄nq; ē direct^o q̄nq; retrograd^o q̄nq; stationari^o. **¶** Nota planeta d̄: direct^o q̄n mor^o ei^o sit fm̄ successione signoz ab occid̄re vsus orientē. Retrograd^o q̄n mor^o ei^o ē extra successione signoz ab orientē vsus occidentē. Stationari^o q̄n vadit ad retrogradatōem vel directōem. Et fm̄ hoc ē duplex statio Prima cū vadit ad retrogradatōem. Secūda q̄n vadit ad directōem. **¶** Itē luna nō d̄: retrograda neq; directa ppter motū eius velocē. Sed d̄: tarda p retrogradatōe z veloc^o p directōem

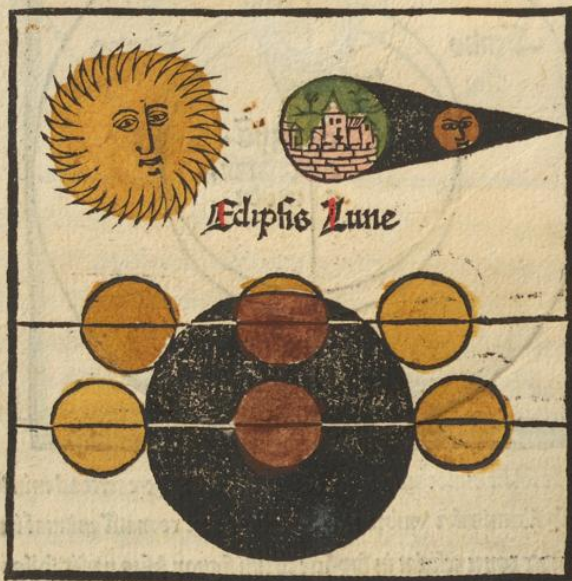


¶ Cū aut̄ sol sit maior terra necesse ē q̄ medietas s̄phere terre ad min^o a sole sp̄ illumine. z ymbra terre extensa in aere cornatū minuat̄ in rotunditate donec deficiat in superficie circuli signoz vsus nadir solis.

D 4

Est autem nadir solis punctus directe oppositus soli in firmamento. **U**n cum
 in plenilunio luna fuerit in capite vel in cauda Draconis sub nadir
 solis tunc terra interponet soli et lune et conuimbre terre cadet super cor
 pus lune. **U**n cum luna lumine non habeat nisi a sole in rei veritate deficit a
 lumine. **E**t est ecliphs generalis in omni terra si fuerit in capite vel cauda
 Draconis directe. particularis vero ecliphs si fuerit prope vel infra metas
 determinatas ecliphs. **E**t si in plenilunio vel circa contingit ecliphs.
Un cum in quolibet oppone hoc est in plenilunio non sit luna in capite vel
 cauda Draconis nec supposita nadir solis. non est necesse in quolibet ple
 nilunio pati ecliphsim. ut patet in presenti figura

Hic autor in hoc loco ultimo de ecliphsibus prosequitur. et primo de
 ecliphsis lune que fit solum in plenilunio vel prope etc.



¶ Cū sit fuerit luna i capite vel cauda draconis vel ppe metas sup di
 cras in pūctōe cū sole tūc corp^o lune iterponet iter aspectū nostz z
 corp^o solare. Cū obūbrabit nobis claritatē sol. z ita sol patiet ecl
 ypsim. nō qz deficiat lumine. s; deficiat nobis ppter interpositōem lu
 ne inter aspectū nostz z solem. Ex his patet qz sp̄ debet esse eclypsis so
 lis in iunctōne siue in nouilunio.

¶ Autor de eclypsi solis in hoc loco determinat z quō fieri habe
 at causas assignat.



¶ Notandū etiā qz qn̄ ē eclypsis lune ē eclypsis in oi terra. s; qn̄ est
 eclypsis solis neq; qz. imo in vno climate ē eclypsis solis. z in alio nō
 qd̄ ptingit. ppter diuersitatē aspect^o in diuersis climatib; . Cū Vir
 gili^o elegāntissime naturas vtriusq; eclypsis sub cōpēdio tetigit dicēs
 Defect^o lune varios solisq; labores. Ex p̄dictis p; qz cū eclypsis solis

D iij

est in passione dñi ⁊ eadē passio est in plenilunio illa eclipsis solis
nō fuit natural' imo miraculosa tria nature. qz eclipsis solis in no-
nilunio vl' circa dz contingere **Prop' q' legit Dyonisiū ariopagitā in**
eadē passioe dixisse **Aut de' nature patit' aut mundi machina dissol-**
uetur. Amen.

¶ **Autor** finaliter suū libru' p'cludēdo eclipsis solis q' in passioe dñi
apparuit sup' naturalē fore attestat. **Primo** tñ q' dāā notabile de sol'
et lune eclipsis adducit volēs q' eclips' lune cū total' fuerit fit total'
in oī terra. **Solis** at eclipsis lz qñqz in vna regione total' apparet.
nō tñ in oī. h' at puenit ex aspect' diuersitate. **Quia** sol ex q' nūqz de-
ficit a lumine. iō q'busdā luna total' interponit. q'busdā p'ialt. q'bus-
dā s'us septentrionē. q'busdā s'us meridiē quēadmodū nubes qñqz
supponit aliquā p'cē terre ⁊ nō aliā obūbrans. **Ita** fit de eclipsi solis
Et autor tantū de eclipsis sol' ⁊ lune loquit ⁊ nō alioz planetaz fa-
cit h' iō. qm̄ ille eclipses sunt notabiles. alie s'ō min' p'ceptibiles.

¶ **Hora** **Athene** ciuitas in **Attica** regione p'darissima in tres p'tes
pncipales fuit distincta. vna port' vocabat' q' fuit s'us mare vt na-
ues applicarent ⁊ illa neptuno deo maris erat c'structa **Alia** fuit pal-
ladis viri in q' bellicosi habitauerūt ⁊ hec fuit deo belli c'cedita **Palladē**
Tercia vocabat' **Ariopag'** in q' habitauerūt phi ⁊ i eadē p'te studiū
viguūt. **Et** d' **Ariopag'** ab ares. i. s'nis. ⁊ pag' qd' ē villa qñ s'no
sa villa a q' noiatus fuit **Dyonisi' Ariopagita**. ipe em̄ fuit s'ruosus
in illa ⁊ potētor inter phos magister magn' q' dū legēs studentibz
suis tpe oppōnis dixit ipossibile eē **Sole** eclipsari sole ⁊ luna i op-
positis p'tibz plene c'ntibz his s'bis dictis **Sol** eclipsabat'. **Et** sic p-
terit' corā discipul' dixit **Aut de' nature patit' aut mundi machina**
iā dissoluet'. qz illā eclipsim c'tra naturā eē scūit qre p'misit vnu cō-
struere altare in tēplo **Palladis** in noie ignoti dei. qz ibi plures deos
colebāt. **Postea** sanct' **Paul'** illū p'dicauit q' sic passus est quē p' ig-
noto deo coleret. **Quare** **Dyonisi'** et multi alij cognitiōnem istius
dei ignoti c'sequuti sunt ⁊ ad vitā eternā p'duci possidendā **Quam**
nobis prestare dignet' **Qui** viuūt ⁊ regnat de' in secula ⁊ vltra. **Ame**

¶ **Opusculū** **Magistri** **Joānis** de **Sacro** busto sphericū p' ve-
nerabilē virū **Magist' wencellāū** **fabri** de **Sudweyß** **Medicine**
Doctozē bene correctū cōmentozqz illustratū finit feliciter. **Impres-**
sūm **Agrippine** p' honestū virū **Henricū** **Quentell**. **Anno** incarnat-
ionis dominice. **Millesimo** cingentesimo p'mo.