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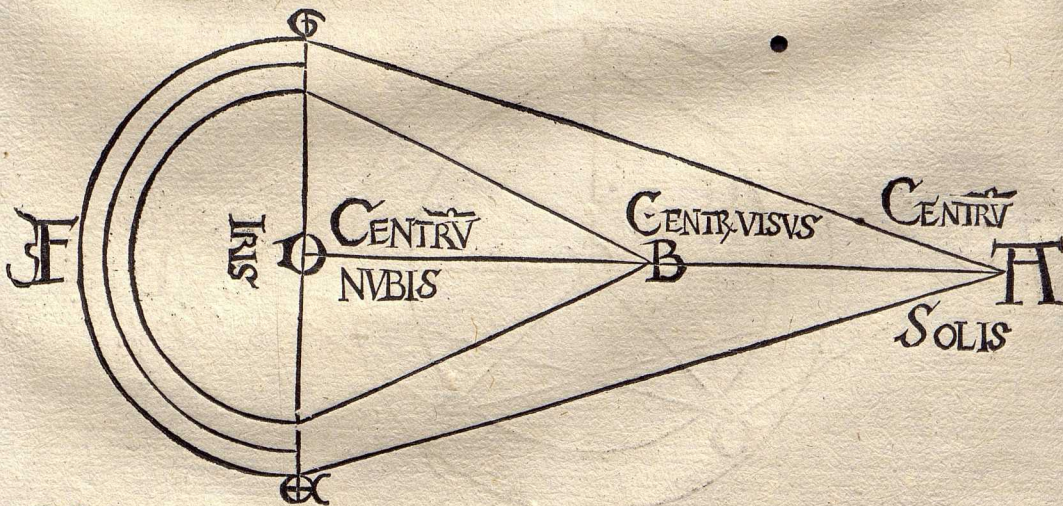
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E ad nigredinē q̄ alurgus qui vocat̄ color viridis. Ex quo sequitur q̄ iris est apparitio triū colorū in nube rozida opposita soli. **C**onsequēter pbat q̄ diuersi sint colores iridis: q̄ vbi est fortior reflexio ibi apparet color qui d̄: puniceus: vbi vero est debilior appet alius q̄ dicit̄ alurgus: z vbi est medio modo apparet viridis. Et subdit q̄ per iuxta positionē illozū colorū appet vn̄ alī color q̄ dicit̄ ranth̄: q̄ autē illud apparet pbat aliqb̄ signis. **P**rimo: q̄ cū nubes est nigerrima tūc color est multū viridis: z tunc ille color q̄ dicit̄ ranth̄ multū apparet. **S**cđm est q̄ cū iris marcescit tunc deficit puniceus color z mutat̄ in ranthū. **T**ertiuū est q̄ flores variant̄ in colore s̄m apparentiā per iuxta positionē aliozū colorū vel p iuxta positionez luminis lucerne. Et subdit q̄ multi colligētes flores ad lucernā sepe decipiuntur accipiētes flores vnus speciei p floribus alterius speciei. **S**ubdit p̄ter q̄ aliquā apparēt due irides: vna supior/ z alia inferior: z dicit q̄ superior est magis obscura q̄ inferior: z h̄nt colores opposito modo situatos. Sed q̄rit p̄ter: vtrū duo hoies possint eandē iridē videre. R̄ndet q̄ nō: q̄ radī reflexus est eq̄lis radio incidentie/ z anguli ab eo causati sunt eq̄les: z cū ad aliū z aliū hominē alius z alius radī reflectat̄ z iris apparet per reflexionē: ideo est alia z alia iris quā plures hoies vident. Deinde pbat q̄ iris appeat p modū semicirculi: z hoc rōne natu

rall z mathematica. Rōne naturali sic: q̄ centrum iridis est punctus quē tangit radius procedens a centro solis: ideo si sol esset in puncto oūcontis maior est iris que esse posset: z centrū illius iridis erit p̄cto oūcontis ex opposita parte corporis luminosi: z sic nō relinquit nisi semicirculus supra oūcontē. Pro ratione mathematica supponit q̄ oculus mediat inter centrum solis et centrum iridis. **S**upponit etiā q̄ si linea recta recte ceciderit supra lineā rectaz causabit angulos rectos aut equales duob̄ rectis: fiat ergo figura: z sit centrū solis a/ centrum oculi b. centrum nubis d. et per illa tria puncta p̄trahatur linea a b d. tunc signent̄ in nubetria puncta eque distantia a centro nubis: que sint c f g. z q̄ illa etiam eque distent a centro oculi z a centro solis: z ab istis p̄trahantur tres lineae a centro nubis/ a centro oculi z a cētro solis: z tūc intelliguntur tres magni trianguli quozum vnus est. a b g. alius. a b f. z alius a b c. qui sūt equales: quia latera sunt equalia z bases equales: ergo illi trianguli erūt equales. Deinde intelligantur tres parui trianguli qui sunt b g d. b f g. b e z d. quozū duo latera vnus sunt eq̄lia duob̄ laterib̄ alteri z anguli illis equilateribus p̄tenti sunt eq̄les: igit bases erūt eq̄les p suppositionē euclidis: z cū tangant centrū nubis sequit̄ q̄ linea tangēs extremitates illarū triū linearū erit semicircularis: igitur iris apparet per modū semicirculi.



Easdem aut̄ dictis causas existimandum z de parabelijs et virgis.

Istud est quartū caplm̄ in q̄ p̄hs determinat de parabelijs z virgis. **U**n̄ virge dicit̄ radij solares directe p̄tēsi p nubē circūdantē solē ac si essent chor de tenētes tentozū solis: z causat̄ duplr. **U**no q̄n̄ nubes est vndiqz p̄tinua: sed t̄n̄ est grossior in vna p̄te q̄ in alia: z tūc radij solares trāsēntes p p̄tē nubis subtrillorē apparēt lineae albe. **A**lio apparēt q̄n̄ nubes est grossa z nō p̄tinua: tūc radij solares penetrātes nubē aliq̄n̄ apparēt virides z aliq̄n̄ tenētes ad rubedinē s̄m diūsitatē nub. **S**z parabelī d̄: imago solis: z d̄: a para qd̄ ē iuxta z helios q̄ est sol/ q̄ si apparēs iuxta solē: z causat̄ p interpositionē nubis inter visuz n̄m z solē. **U**n̄ q̄n̄ est nubes rozida in aliq̄ loco p̄forata/ tūc radij solares in illo foramiē p̄gregant̄: z p refractionē diffunduntur ad visum: z sic apparet esse vnus sol.

Quecunqz igitur opa accidit exhibere segregationi in locis.

Iste est vltimus tractatus in q̄ p̄hs determinat de his q̄ generant̄ circa terrā: z p̄mittit duas suppositiones. **Q**uarū p̄ma est: duplex est exhalatio: vt iam aksyū est. **S**cđa suppositio: eoz q̄ ḡnant̄ infra terrā qdā sūt fossibilia q̄ h̄nt ex exhalatōe calida z sic ca z s̄t a d̄nio trā: alia z sūt metallica z s̄t a d̄nio aq̄. **M**etallica sunt dupl̄cia: qz quedā sunt fluxibilia z ductibilia/ sicut plūbū. **A**lia sunt ductibilia t̄n̄ q̄ calefacta p̄nt extēdi: sed nō sūt fluxibilia humectatiua/ vt ferruz. **M**ineralia s̄o fossibilia ḡnant̄ ex exhalatōe calida z terrestri inclusa infra trā q̄ nō h̄z exitū z p̄densat̄ a frigiditate loci: z post talē cōdensationē p̄uertit̄ in lutū: z decoquit̄ mediāte caliditate vaporis admixti tali exhalatōi int̄m q̄ ali q̄n̄ sit lapis v̄l aliqb̄ alioz̄ possibilū. **S**z metallica