

# A TROJAN HORSE ACROSS THE CHANNEL

On the circulation of Vincenzio Viviani's *divinatio* through his correspondence with Robert Southwell

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Introduction: Galileo's last disciple

1. Viviani's *divinatio* of Apollonius
2. Southwell as a Trojan horse

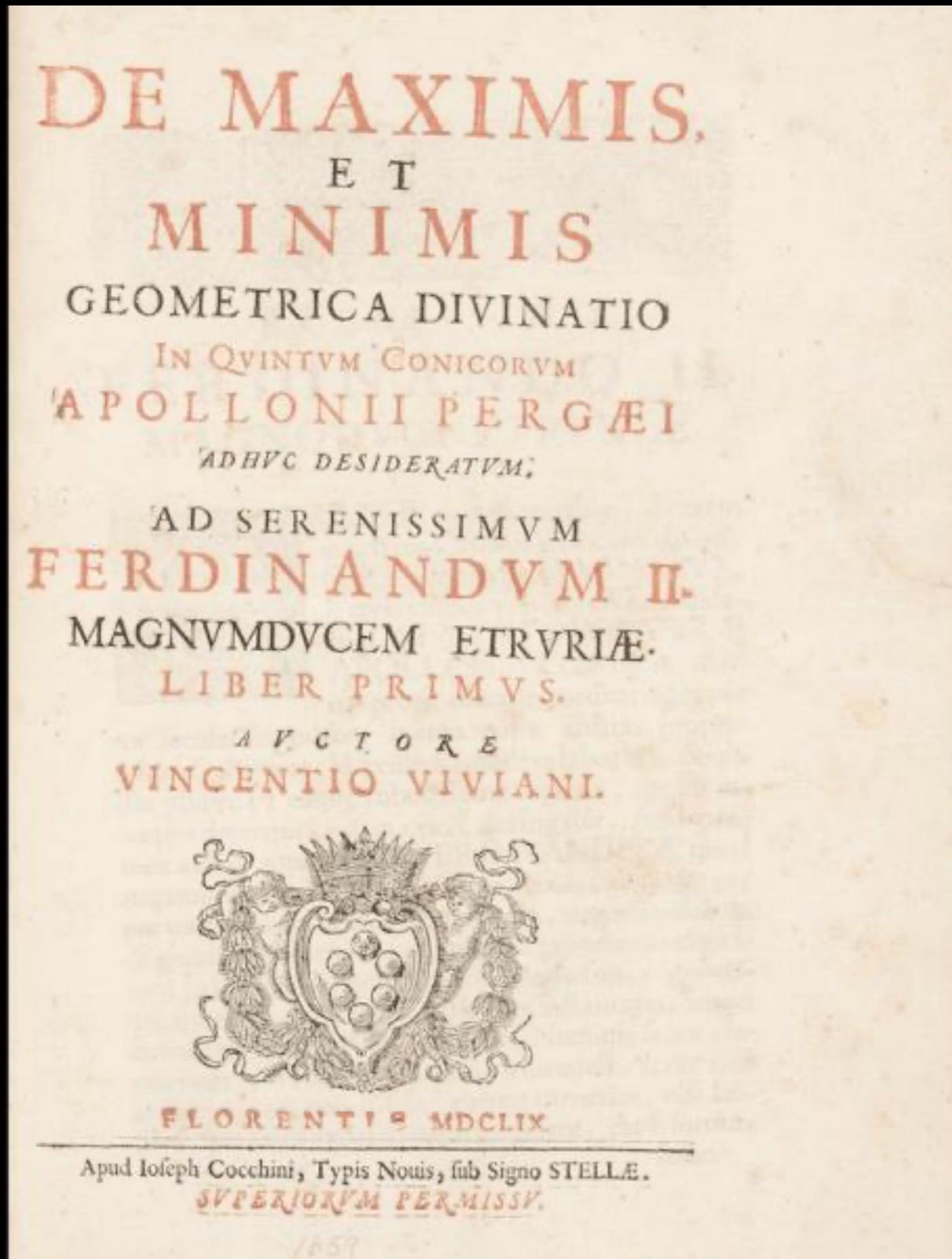
Conclusion: mapping Viviani's correspondance







# 1. Viviani's *divinatio* of Apollonius



*De Maximis et Minimis, Geometrica  
Divinatio in Quintum Conicorum  
pollonii Pergæi*

1659  
Florence

# 1. Viviani's *divinatio* of Apollonius

Proposition et ligne de la proposition commentée		Vincentij Vician In Elementa Conicas Apolloni Pergei N. 45. Annotaciones quaedam Marginalia	160
Prop. I V. 7.	per punctum B translatum cum sit y hypothetum in conica superficie, atque eum quatuor circulum retinam yscum & termina p	Extrait de la proposition commentée	Commentaire
Prop. II. V. 9.	quare et intra conicam superficem Ieum scilicet circulus est totus intra ipsam p		
Prop. III. Aliter, et obverso.	L. Quis plus & nequem sectetur, sectio triangulorum erit.	Enoncé du théorème commenté	Début du théorème commenté
Numéro de la proposition et type de commentaire	abcque, quo secesserat fuit in superficie linea AB, AC, et in hac linea BC. Dico has lineas esse rectas recte ABC triangulum esse. Quoniam enim punctum B communis sectio per punctum C, cum erit secundum hanc BC, est et in pleno secunda, et in sufficiens conica & eis vertice A iungatur, hacten est in secante pleno, (cum ipsius extra punctum sit in eadem pleno) et tota in superficie conica hacten est inter in communem sectionem, ergo AB communis sectio secantis pleno quiescit, non sufficiens, est secans tamen. Eadem ratione & pro AC, est autem et BC recta, quare ABC est triangulum. Si igitur tres platos sectetur yscum & retinatur, ratio triangulorum erit.		Démonstration alternative (ici plus claire)
* 3. inde.			Fin du théorème commenté
Prop. IV. V. 8.	Ieum DC circulum est. Ieum planum à linea D H & occulatum area- num est. &		
V. 10.	Et linea DC est planum DS, &		
Prop. V.	Sectio securaria ergo sit.		
Prop. VI. V. 13.	quod stans cuiusdam recte Ique directe fit perpendicularis a puncto puncto in pleno circuli sumpto, ad triangulum ostendit		
V. 9.	in BC circumscribitur. In pleno circulo		
V. 17.	ergo aurum circumscribitur ergo a puncto in pleno circulo sumpto		

# 1. Viviani's *divinatio* of Apollonius

**DIVINATIO**  
 Rom **GEOMETRICA** — fundo  
 New ~~DVOBVS LIBRIS COMPREHENSA~~ — fundo  
~~DVOBVS LIBRIS COMPREHENSA~~ — continuo  
 EN QVINTVM LIB.  
 New — IN LIBRVM V. MAGNI GEOMETRA  
 Rom — **APOLLONII PERGÆI** — fundo  
 Rom — DEMINIMIS, ET MAXIMIS — fundo  
 New — AD HVC DESIDERATVM, ~~F~~ — continuo  
~~DVOBVS LIBRIS COMPREHENSA~~  
 Rom — AP SERENISSIMVM — continuo  
 Rom — FERDINANDVM II. — fundo  
 New — MAGNUM DVCEM ETRVRIAE — fundo  
 Rom — LIBER PRIMVS. — continuo  
 New — DIVINATORE — fundo  
 Rom — VINCENTIO VIVIANI — fundo  
 New — <sup>P. F.</sup> EIUSDEM SER. MAGNIDVCIS — continuo  
 Rom — MATHEMATICO — fundo  
 New — Pusillum et magnum ipse fecit et aequaliter  
 est illi cura de omnibus. Sap. Cap. vi.  
 Rom — FLORENTIE MDCLIX.  
 New — Iude Joseph Cocchini, Typis Novis sub Signo STELLÆ.  
 Rom — Superiorum summis.

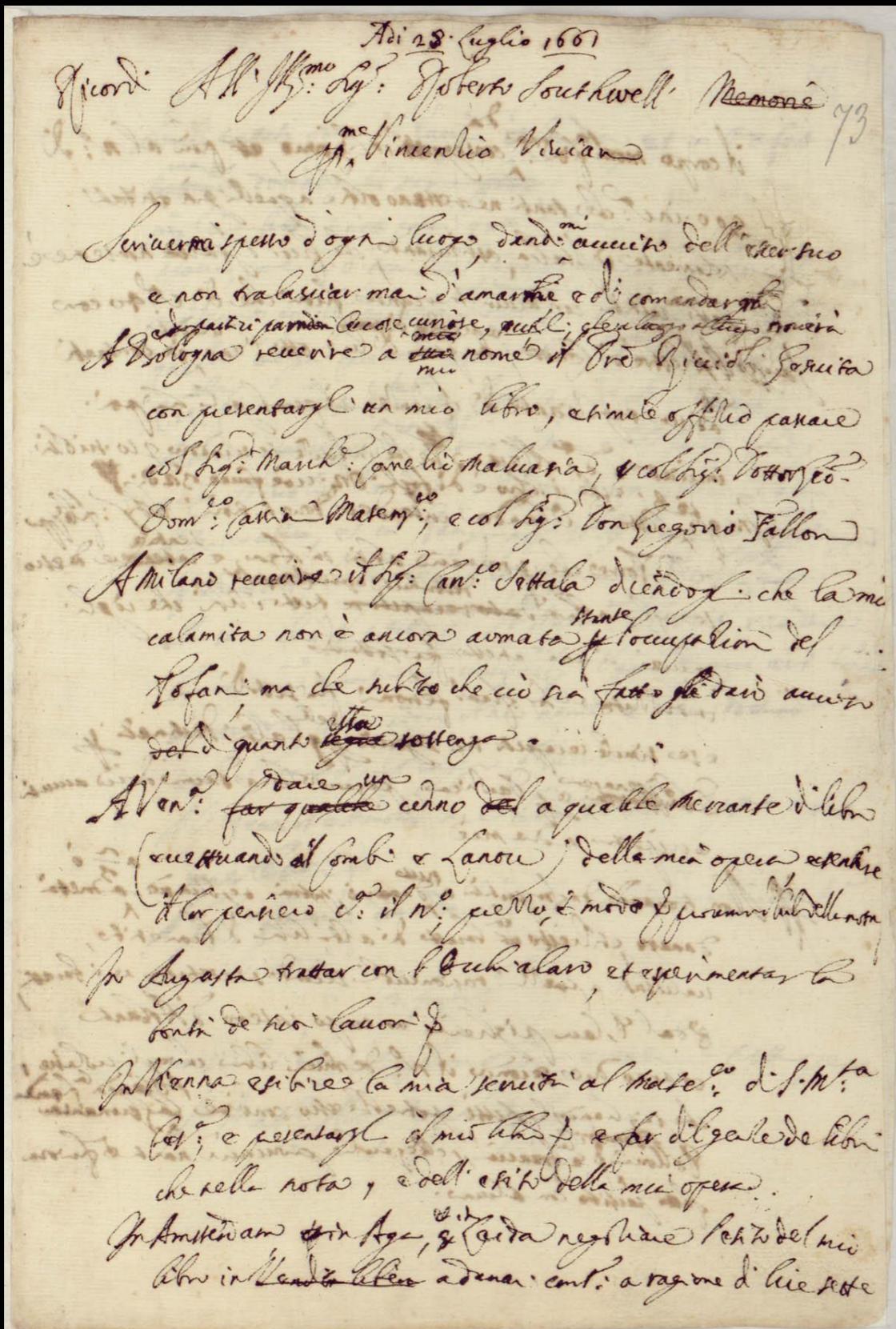
6.
**DE MAXIMIS:**  
 ET  
**MINIMIS**  
 GEOMETRICA DIVINATIO  
 IN QVINTVM CONICORVM  
**APOLLONII PERGÆI**  
 AD HVC DESIDERATVM:  
 AD SERENISSIMVM  
**FERDINANDVM II.**  
 MAGNUM DVCEM ETRVRIAE.  
 LIBER PRIMVS.  
 Auctore  
**VINCENTIO VIVIANI.**  
  
Ben. Mandev. Book 162  
Prat. 8.  
 FLORENTIE MDCLIX.  
 Apud Ioseph Cocchini, Typis Novis, sub Signo STELLÆ.  
**SUPERIORVM PERMISSV.**  
 Vito Perilli, Paolo Nello, Igniti Aurolo.  
uctor.

## 2. Southwell as a Trojan horse



Robert Southwell  
(1635-1702)

## 2. Southwell as a Trojan horse



Letter to Southwell  
28 July 1661

“A Bologna reverire a mio nome il Pre  
Riccioli Gesuita con presentargli un mio  
libro, e simile officio passer col Sig.  
Marche. Cornelio Malvasia, col Sig. Dottor  
Gio. Dom<sup>co</sup>. Cassini Matemco., e col Sig.  
Don Gregorio Fallon”

Conclusion:  
mapping Viviani's  
correspondance

Thank you!