

Centro PRISTEM (Università Bocconi - Milano)

Mateinitaly

# UN ANNO DI LABORATORI, DI GIOCHI, DI ... MATEMATICA

in collaborazione con

Centro Interuniversitario di Ricerca  
Seminario di Storia della Scienza

Piano Lauree Scientifiche del  
Dipartimento di Matematica  
(Università degli Studi di Bari Aldo Moro)

Dipartimento di Studi Umanistici  
(Università degli Studi di Bari Aldo Moro)

sede del convegno

Università degli Studi di Bari Aldo Moro  
Palazzo Ateneo e Centro Polifunzionale Studenti

5 - 7 ottobre 2018

Organizzatori:

Angelo Guerraggio  
Francesco Paolo de Ceglia  
Simonetta Di Sieno  
Sandra Lucente

Comitato locale:

Benedetta Campanile  
Lucia De Frenza

Per informazioni visita la pagina web:  
<http://matematica.unibocconi.it/articoli/bari-dal-5-al-7-ottobre-il-prossimo-convegno-pristem-mateinitaly>  
e-mail: [convegnipristem@unibocconi.it](mailto:convegnipristem@unibocconi.it)

MATEpristem

mateinitaly

SEMINARIO DI  
STORIA DELLA  
SCIENZA

DIPARTIMENTO DI  
MATEMATICA

UNIVERSITÀ  
DEGLI STUDI DI BARI  
ALDO MORO

DIPARTIMENTO DI  
STUDI UMANISTICI

**SANDRA LUCENTE**  
*Dipartimento di Matematica  
Università degli studi di Bari*

**5 Ottobre 2018 h 17.30**  
**Palazzo Ateneo**

**Passeggiate matematiche a Bari**

# AUE!!!



1 lungomare, castello  
2 stadi, chiese “grosse”

3 università

(4 enti-ferrovie)

5 bifore sulla facciata di San Nicola

8 torri costiere antiturchi da ..a ..

13 Musei (fonte wiki)

...

$10^{10}$  orecchiette...

Oppure un grafo?





*Numero vs Forma*

*Scatto vs Fotografia*

*Racconto vs Linguaggio formale*

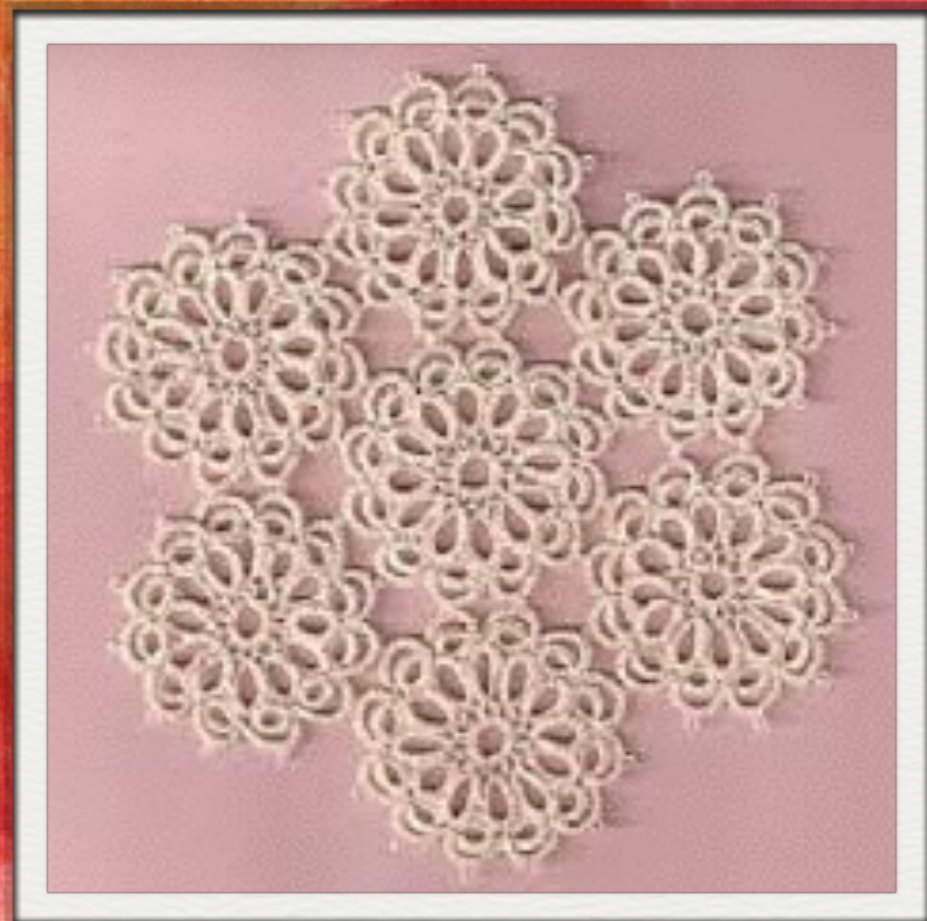


$$\begin{cases} \Delta u + \lambda u = 0 \\ u|_{\partial D} = 0 \end{cases}$$

*Locale & Globale*

*Sguardo & Sentire*

*Racconto & Linguaggio formale*

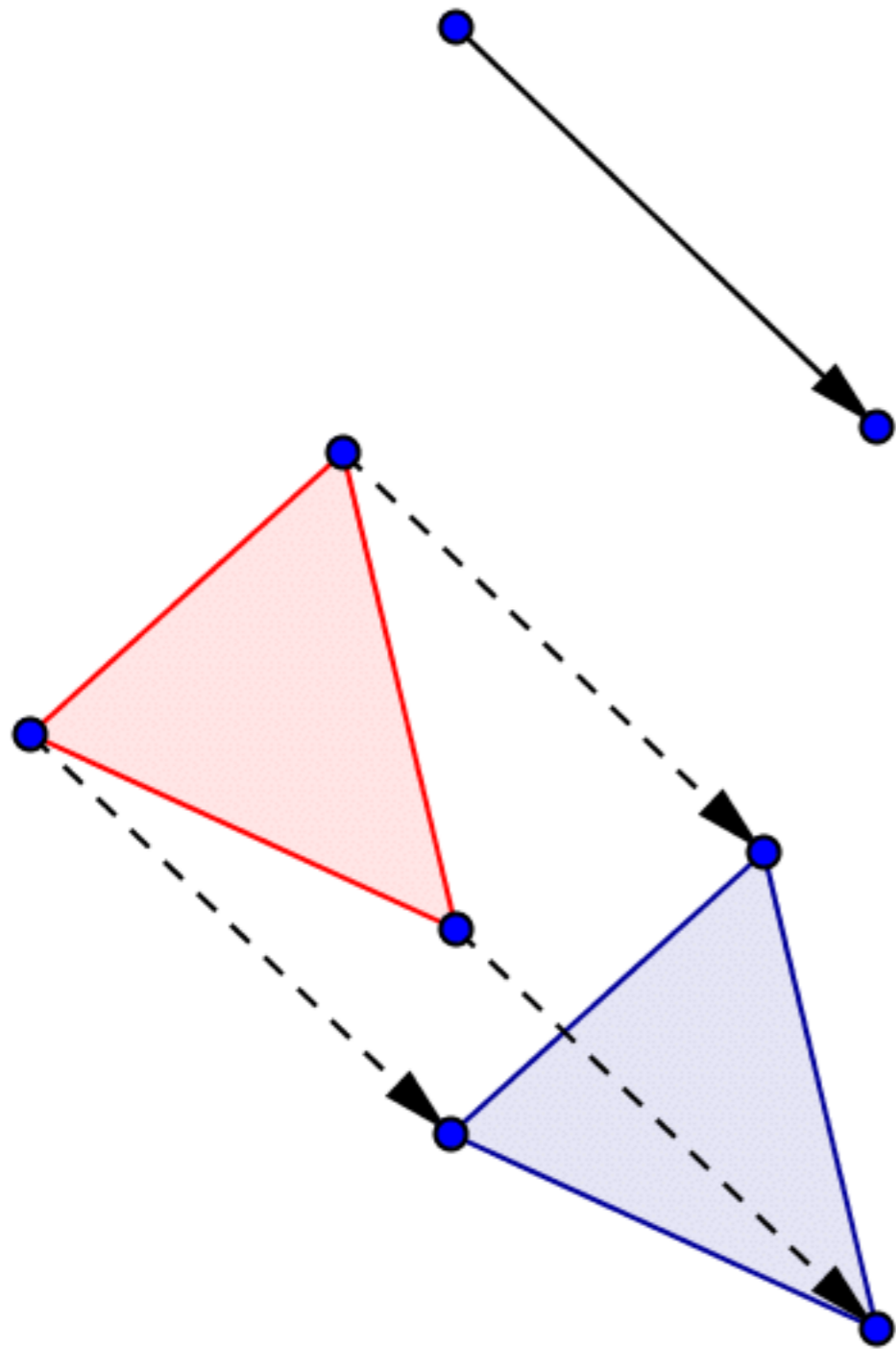


**LE ISOMETRIE... MA ANCHE NO!**

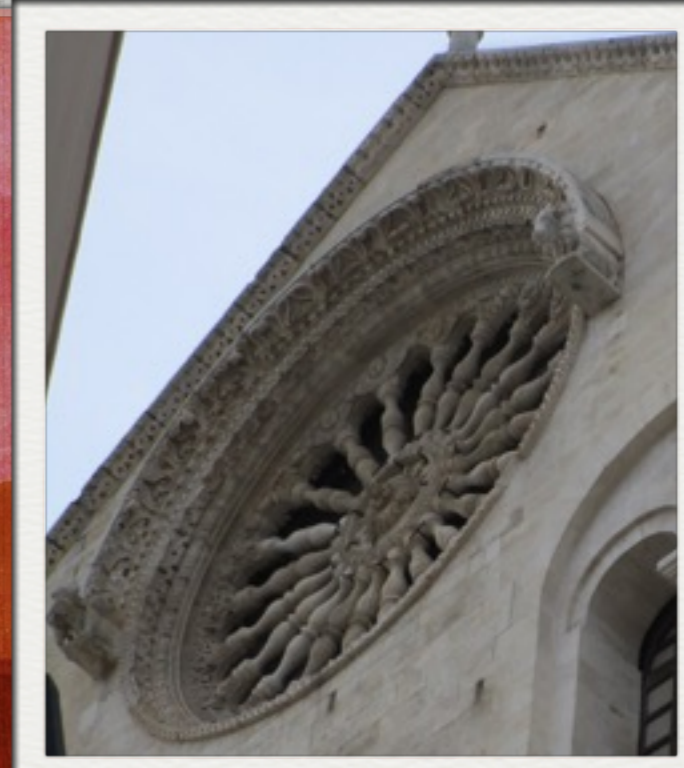
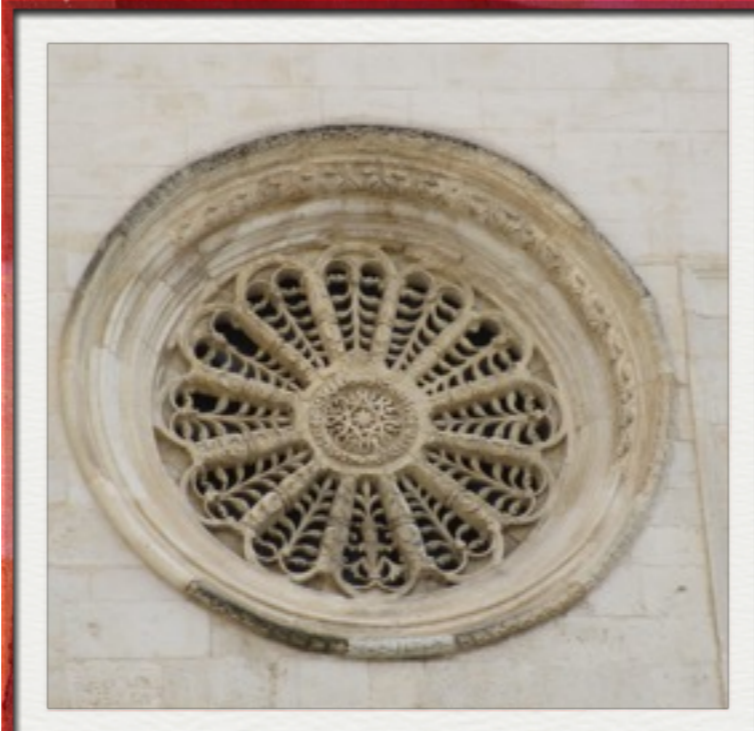
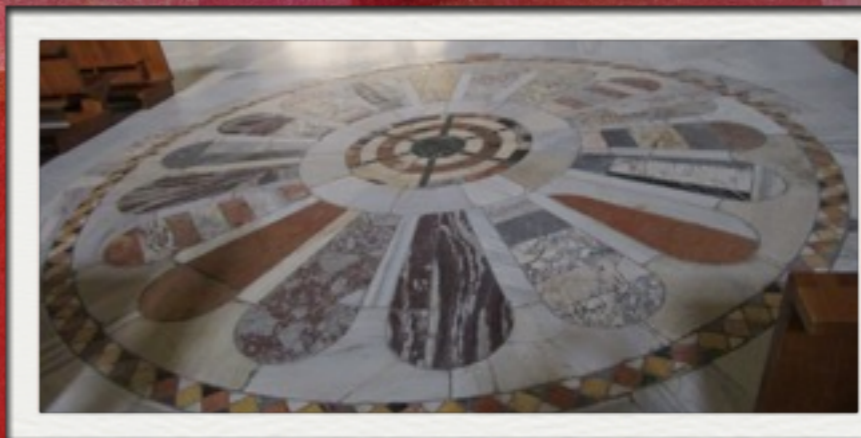
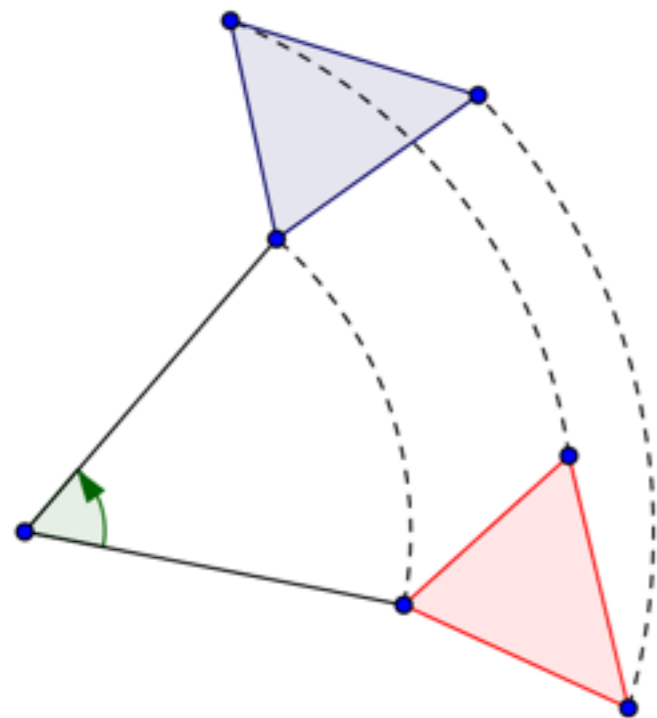
---

# LA TRASLAZIONE

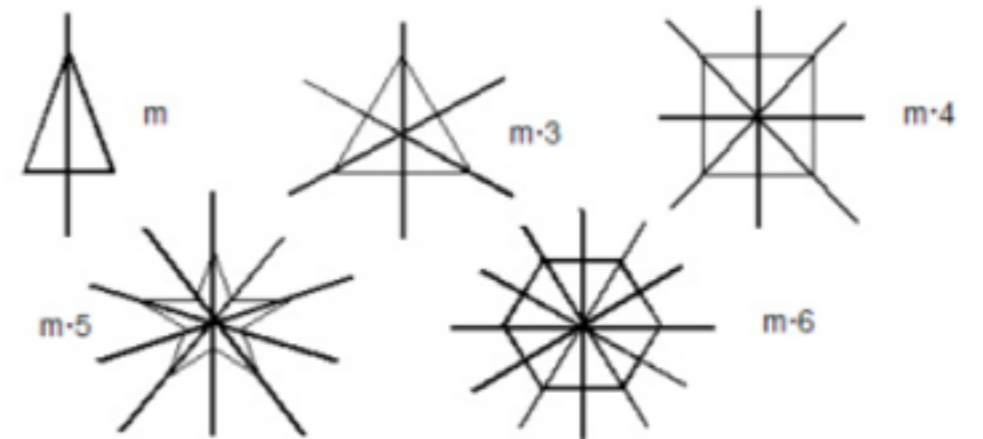
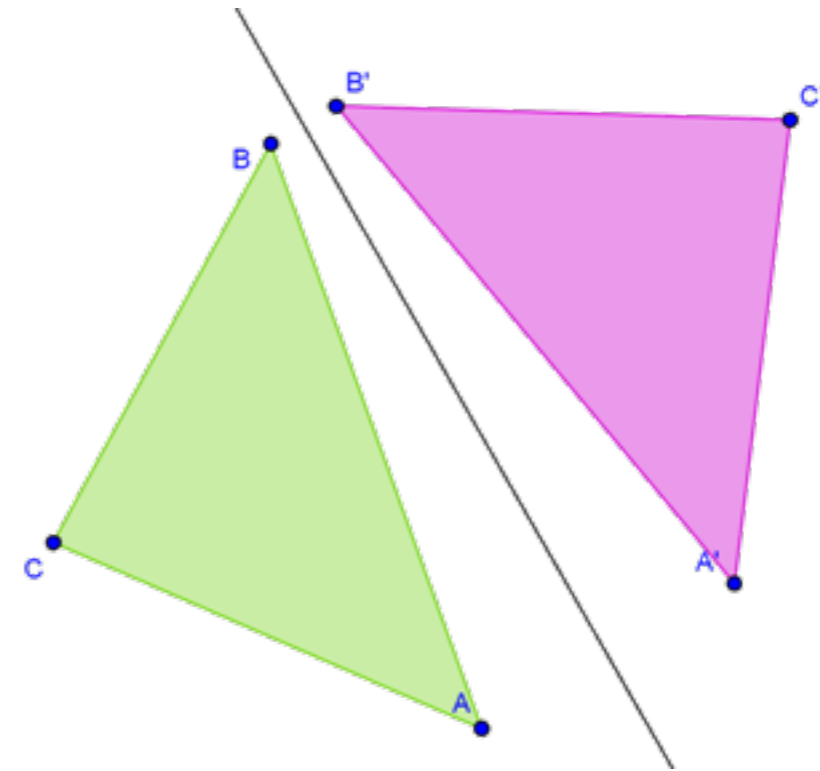
---



# LE ROTAZIONI



# LA SIMMETRIA ASSIALE



# LA ROTTURA DI SIMMETRIA

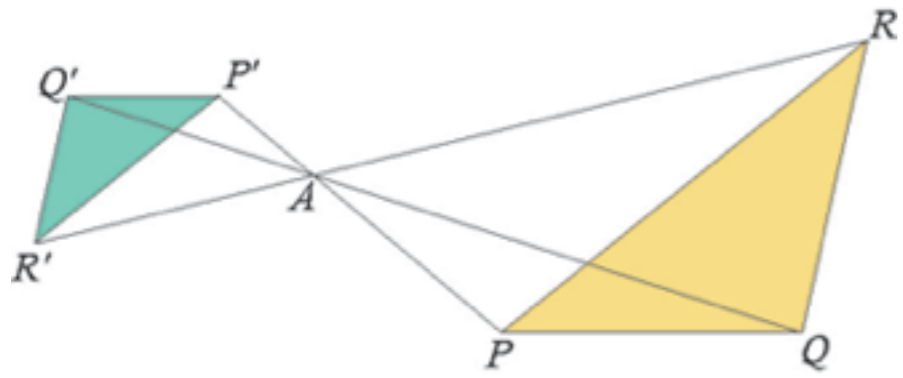
---





# OMOTETIA

---



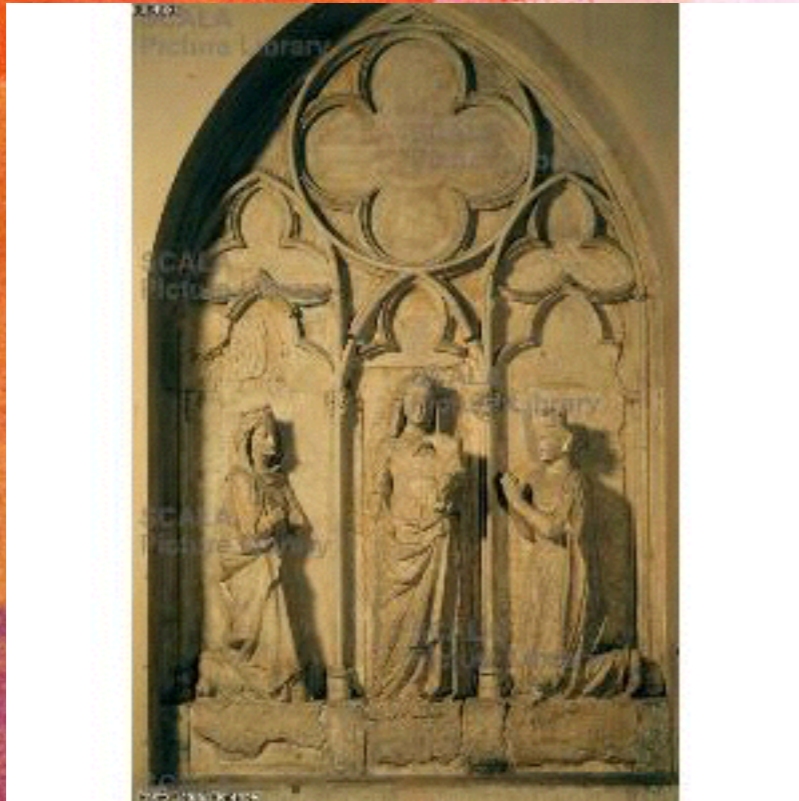
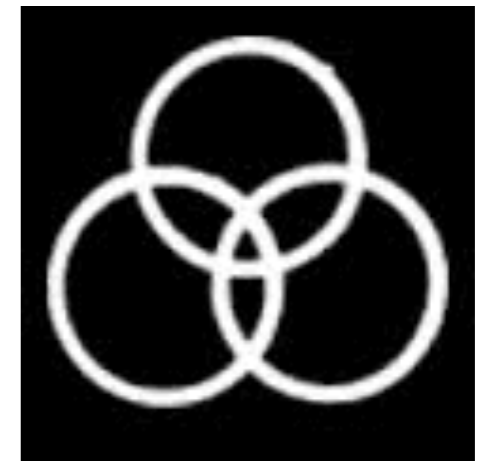
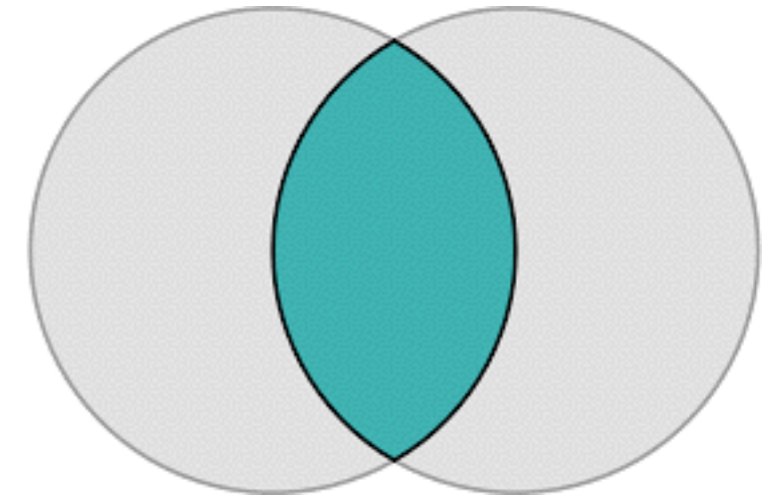


# IL NOME DELLE CURVE

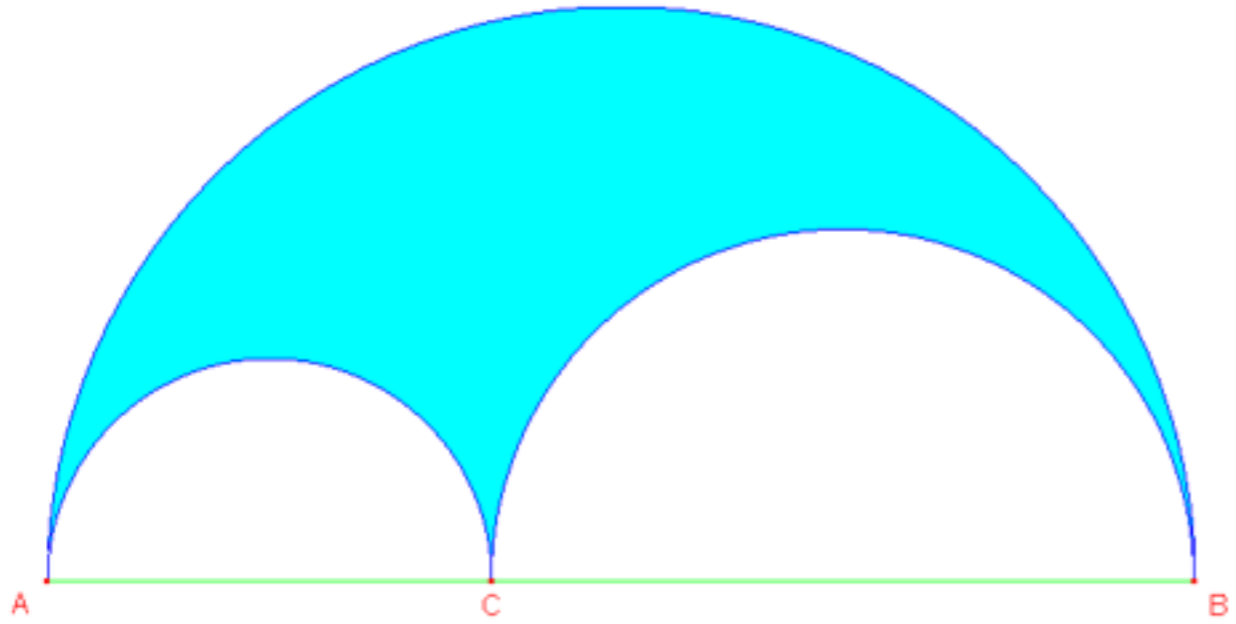
---



# ARCHI DI CIRCONFERENZE

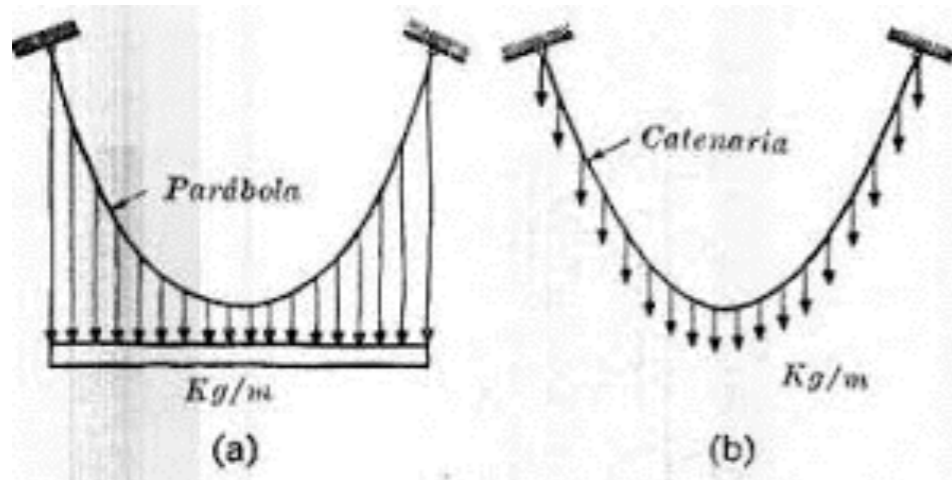


# ARBELI



# CATENARIA O PARABOLA?

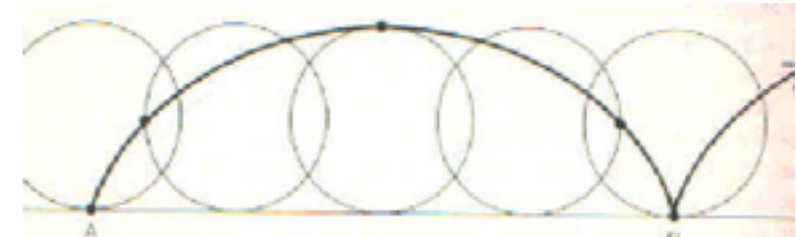
.....





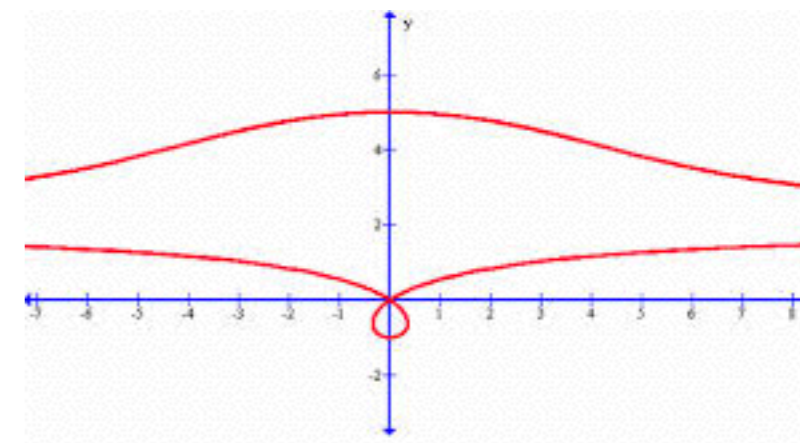
# LA CICLOIDE

---

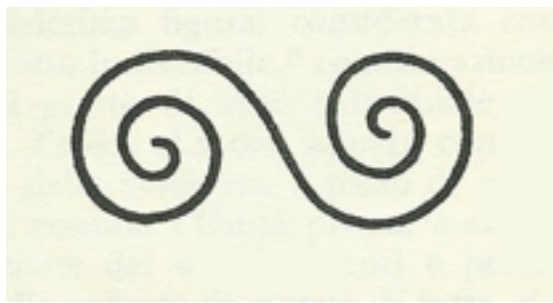
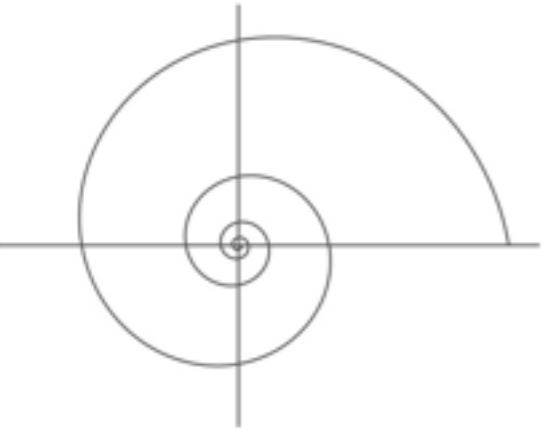


# LA CONCOIDE

---



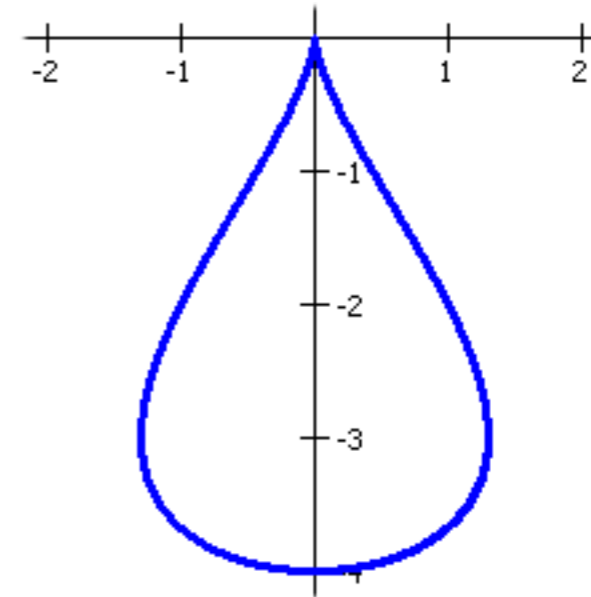
# SPIRALI





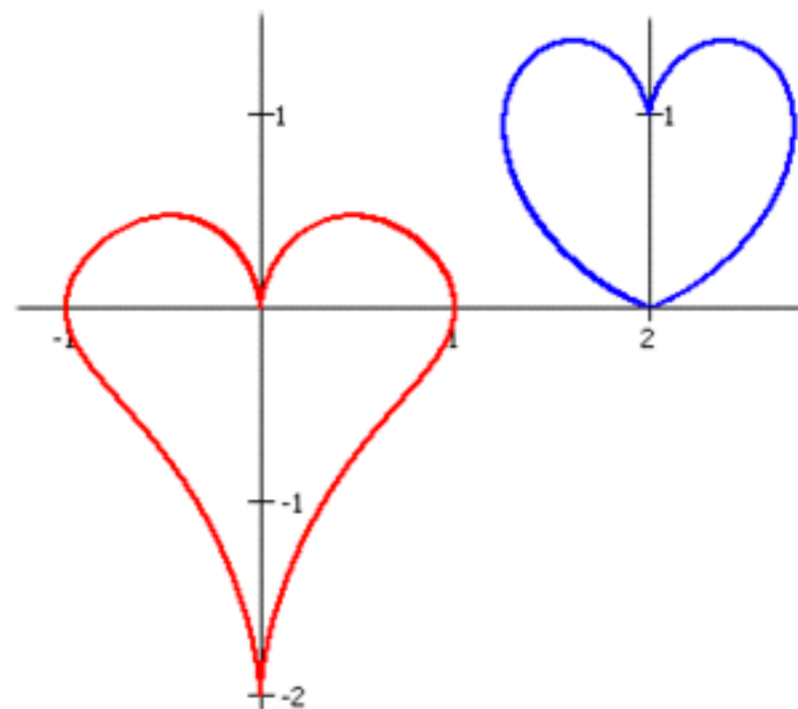
# LA QUARTICA PIRIFORME

---



# CURVA DI LAPORTE

---





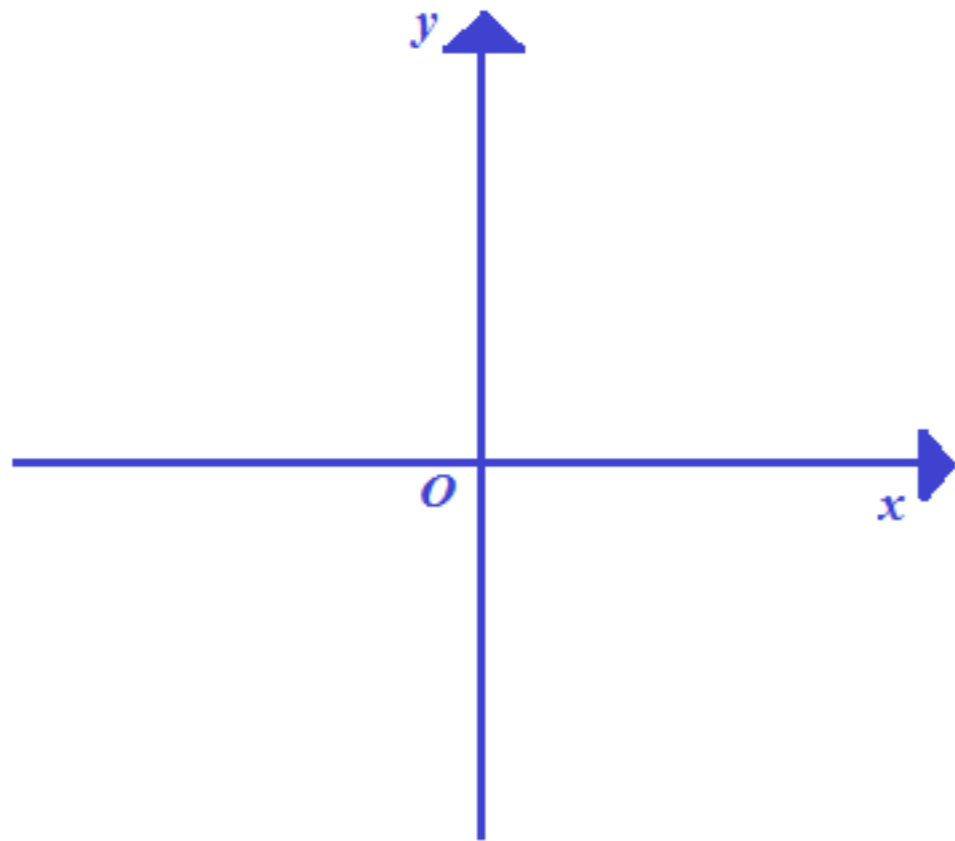


# LOGARITMI E FUNZIONI

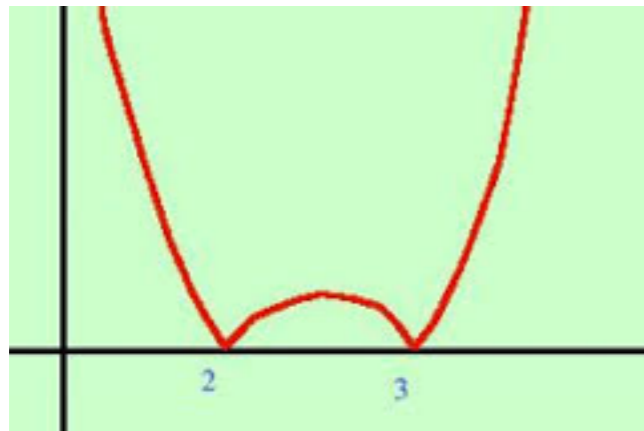
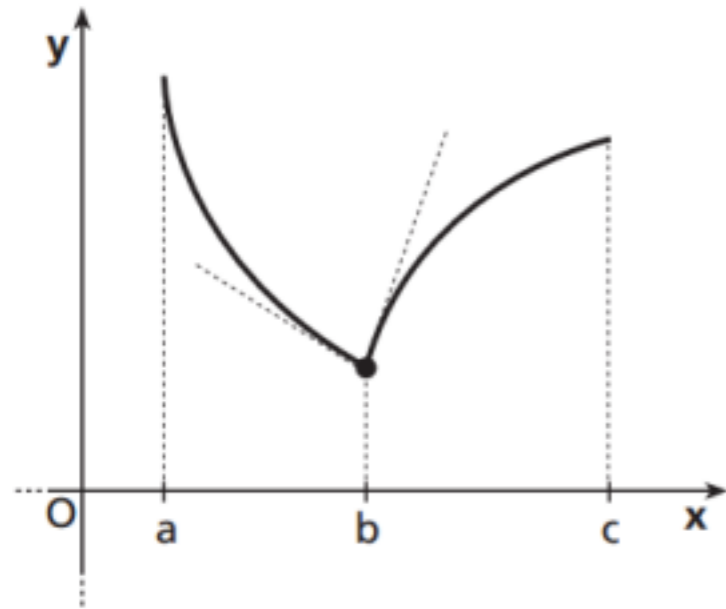
---

# ASSI CARTESIANI

---

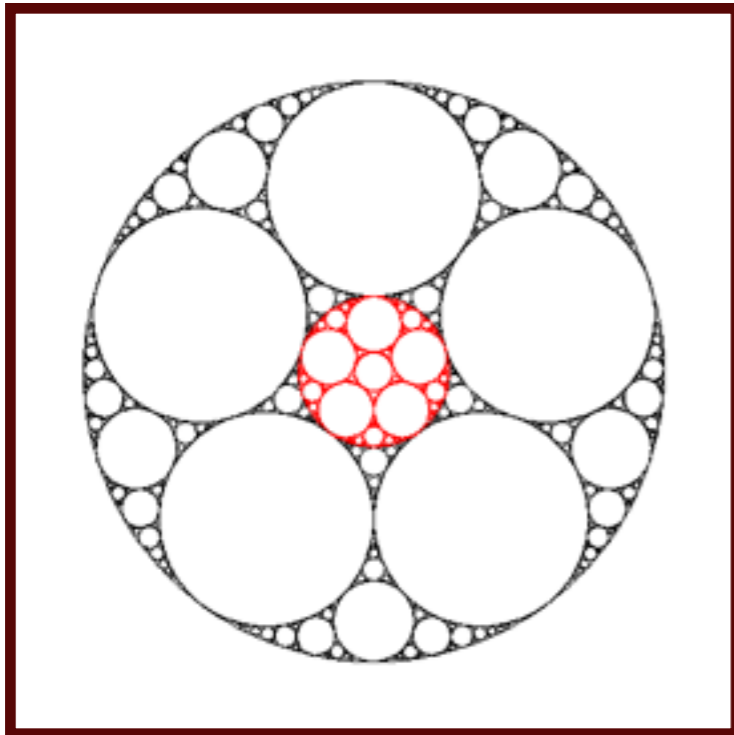


# SPIGOLI E PUNTE



# FRATTALI

---



$$D = \frac{\log N}{\log L}$$



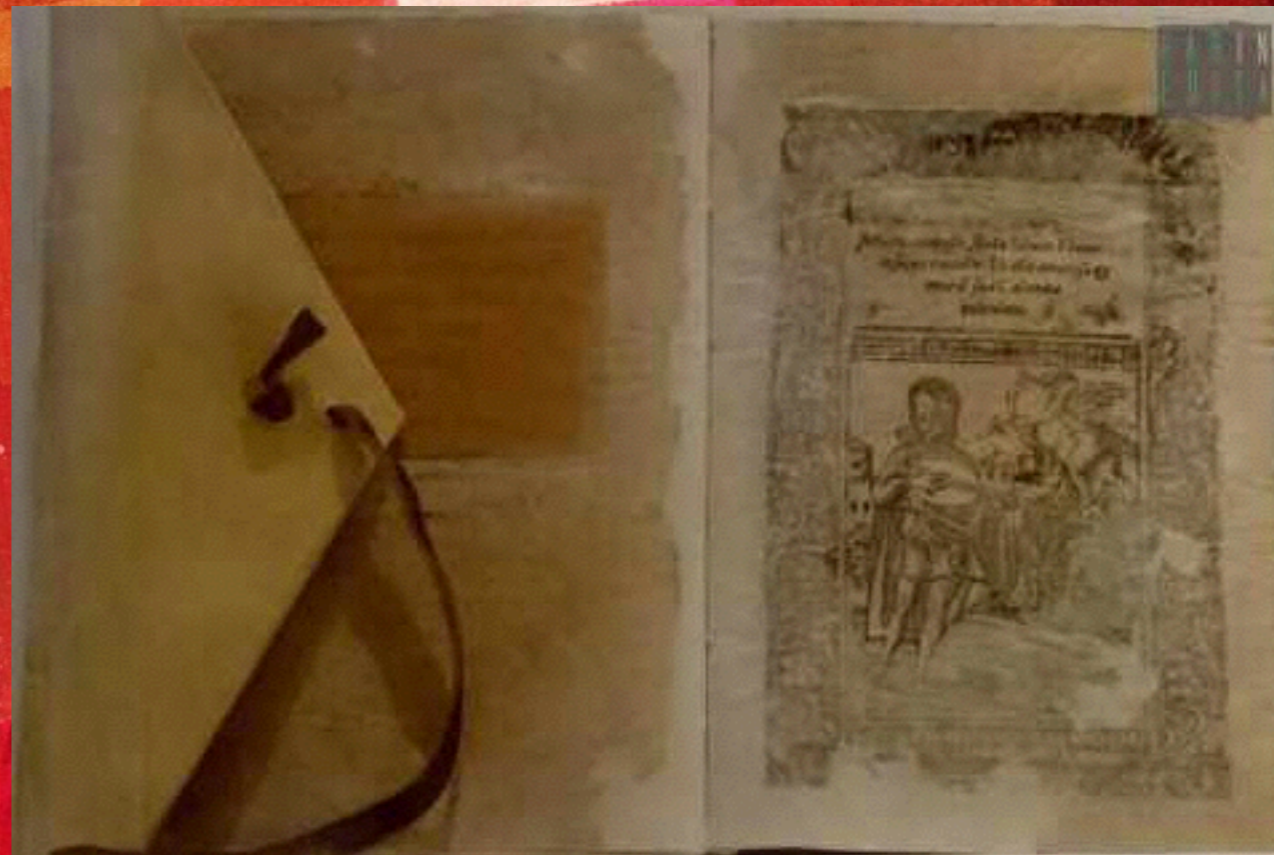
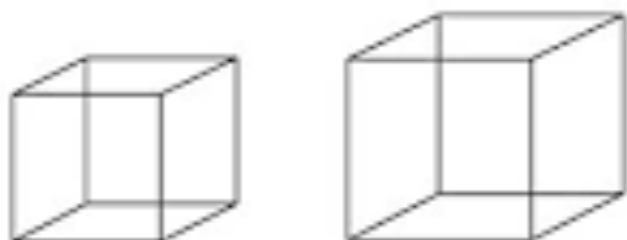
**E SE PROVASSIMO CON I CONCETTI  
DI RICERCA?**

---

# STORIA E STORIA MATH

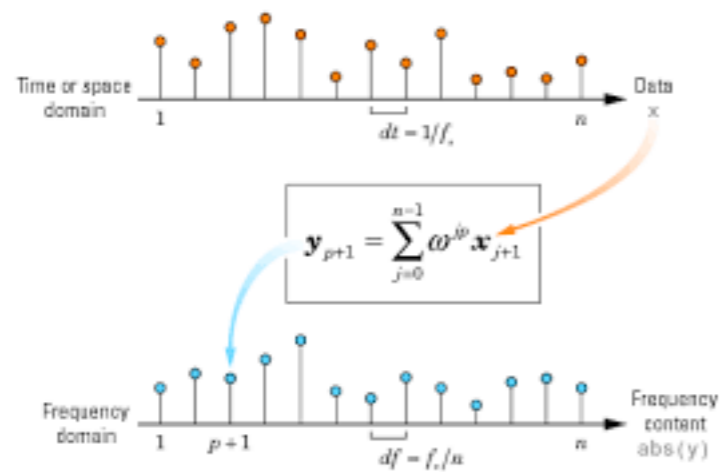
.....

## UN CLASSICO



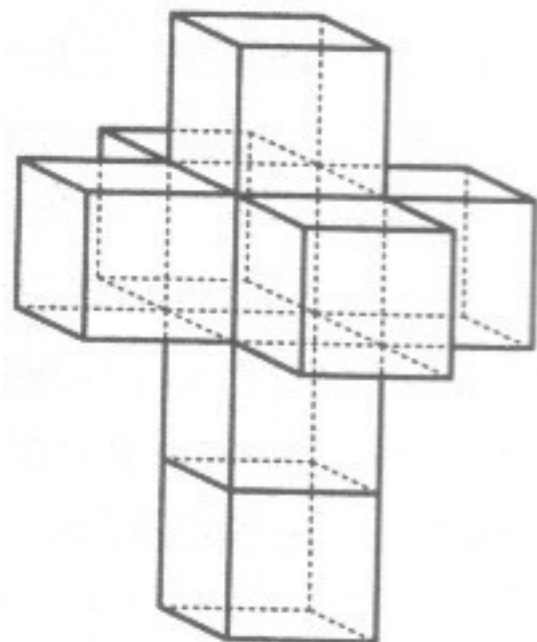
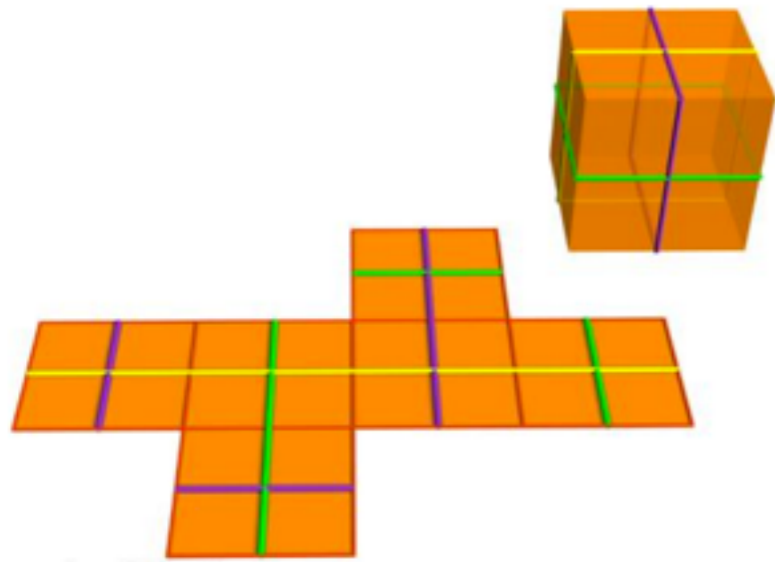
# STORIA E STORIA MATH

## UN MODERNISSIMO



# LA DIMENSIONE

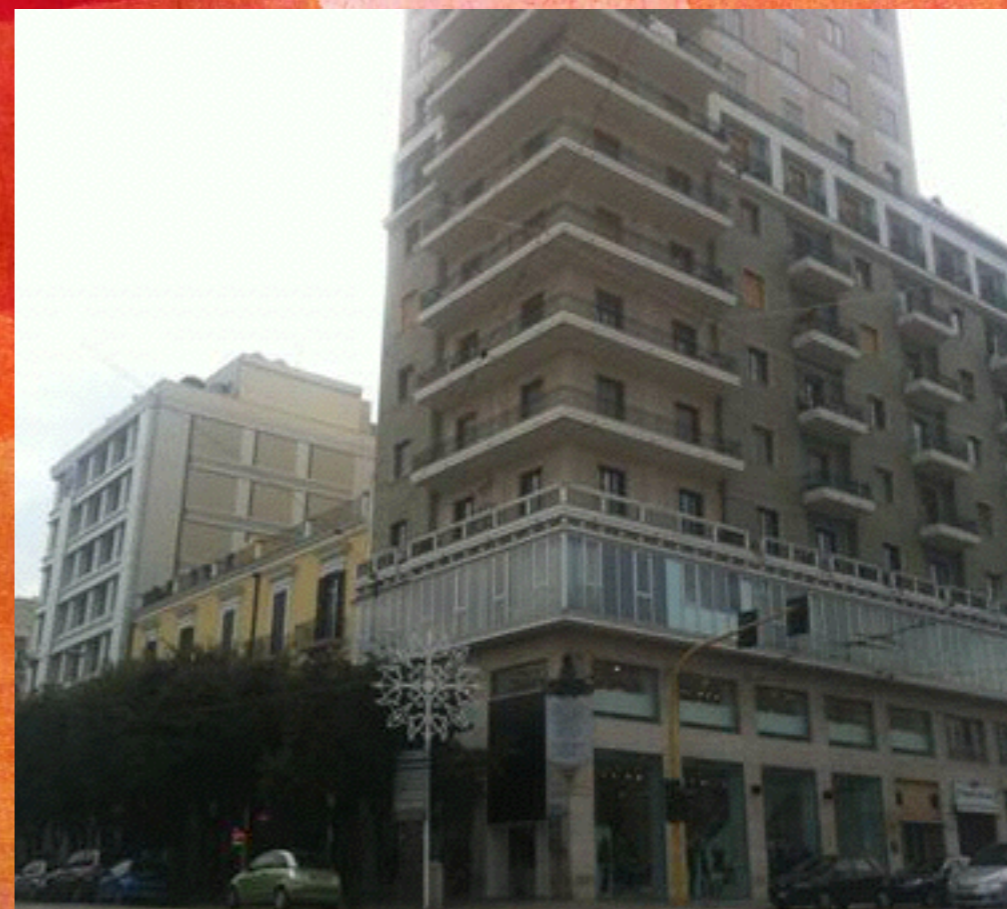
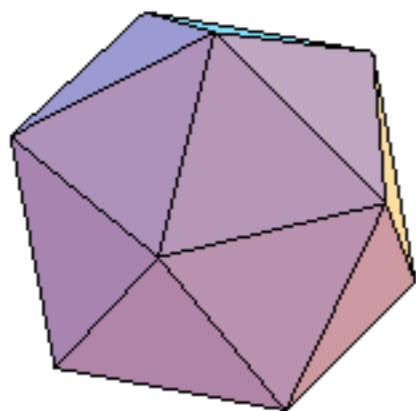
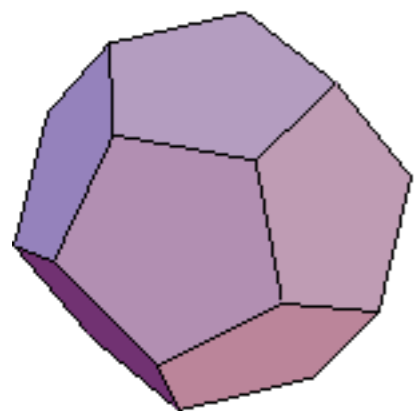
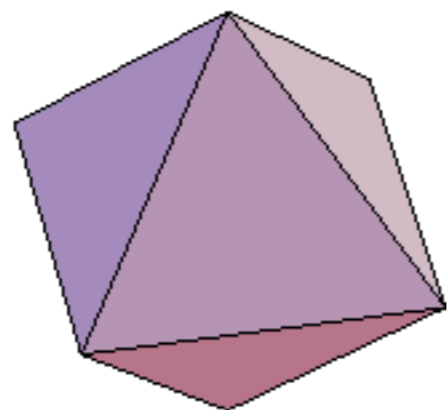
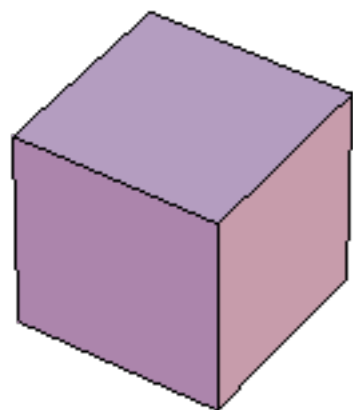
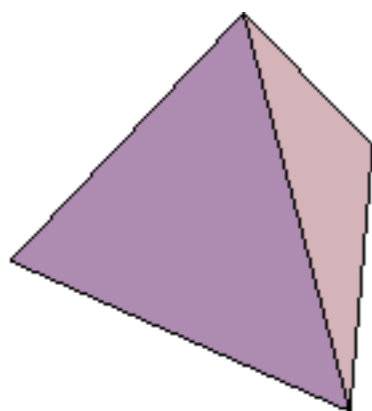
---





# POLIEDRI

---



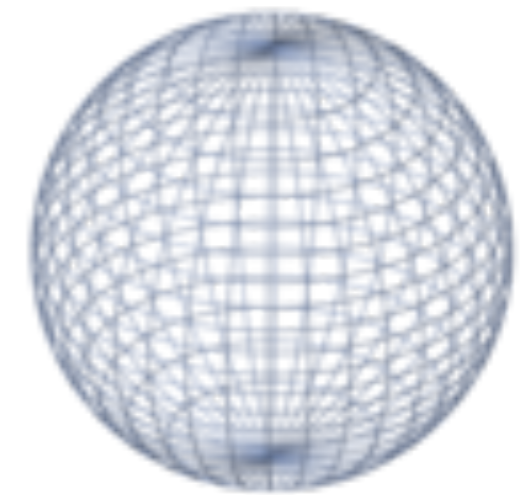
# GENERE TOPOLOGICO

---



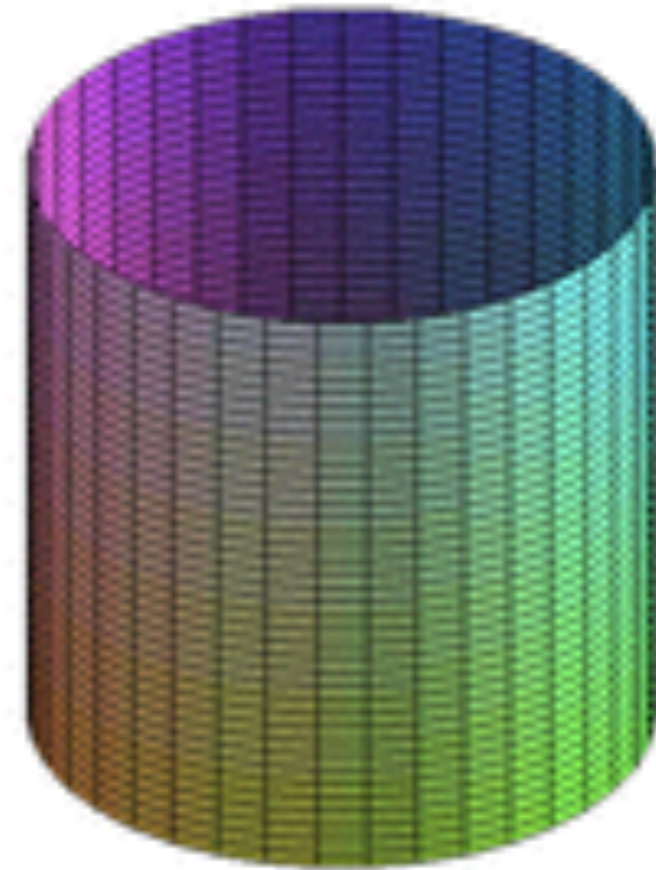
# CHI HA GENERE ZERO?

.....



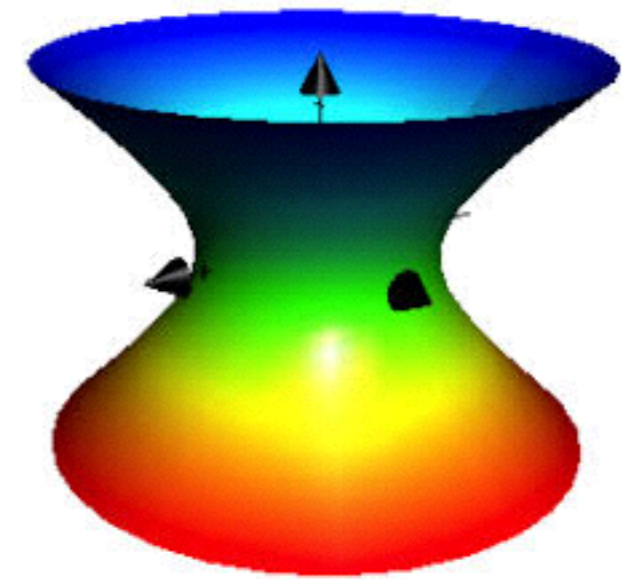
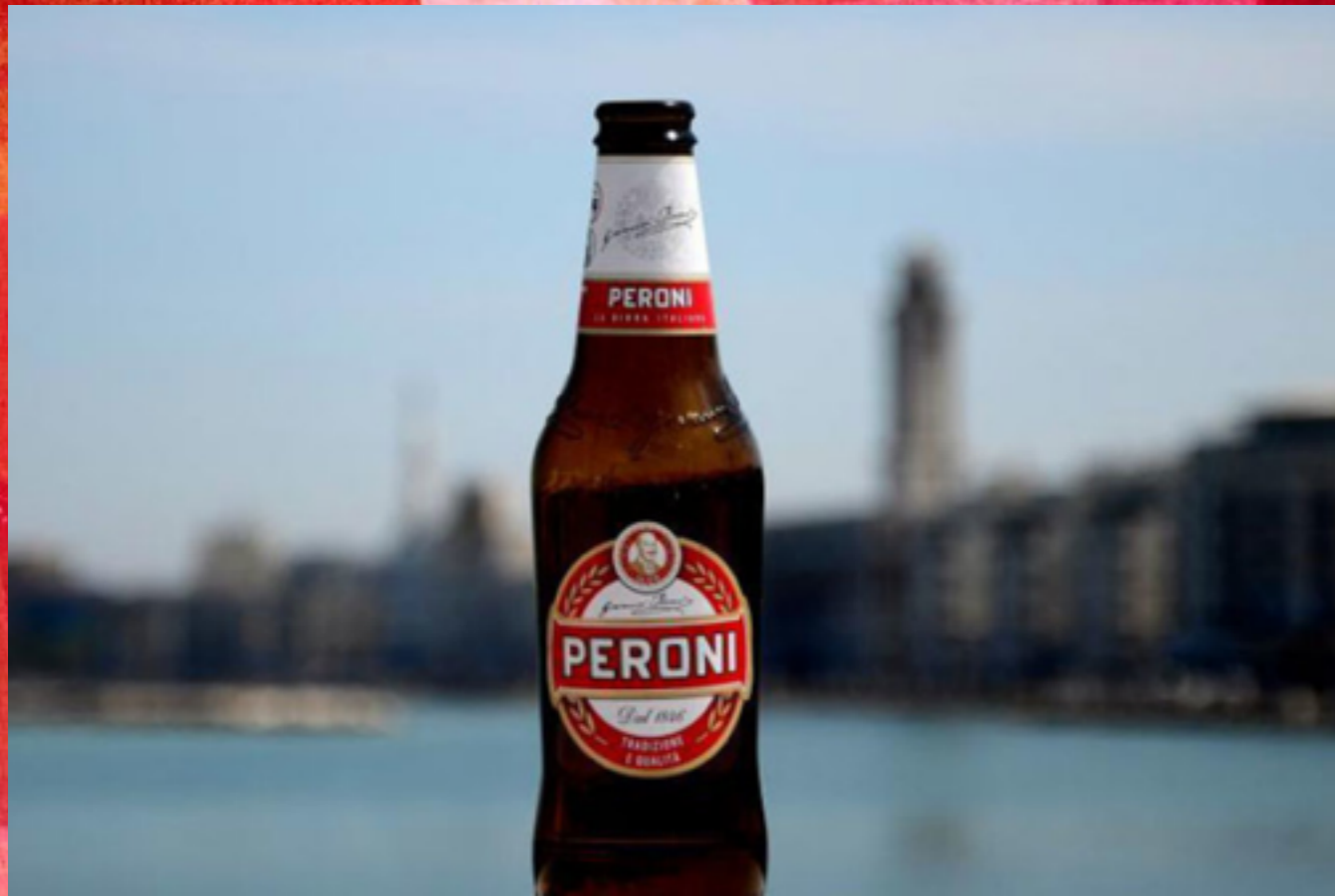
# LE SUPERFICI RIGATE

---



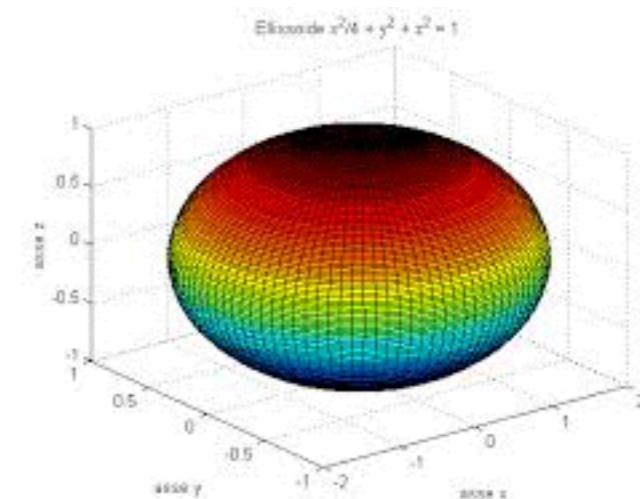
# LA BIRRA DI RIVOLUZIONE

---



# LO STADIO ELLISSOIDALE

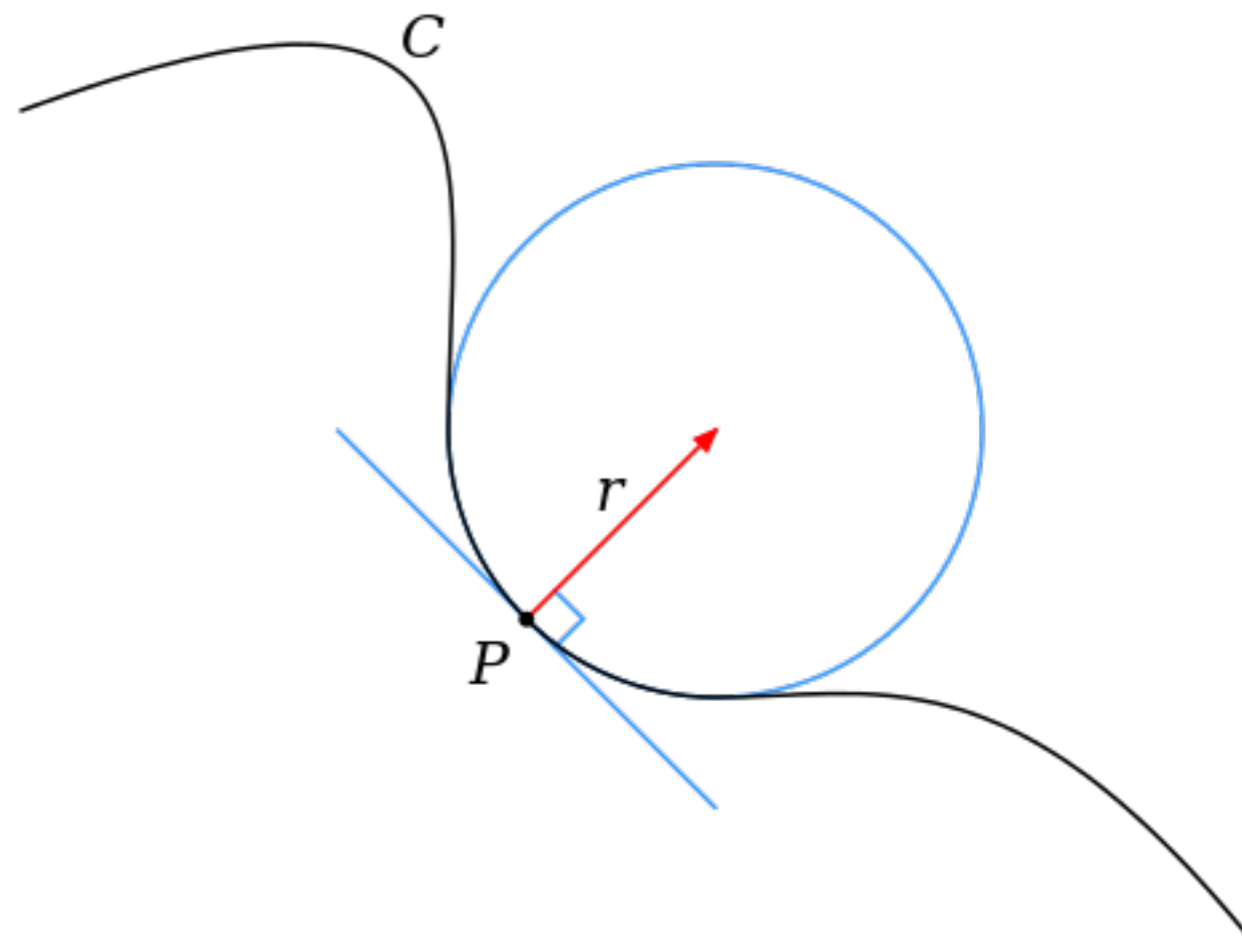
---





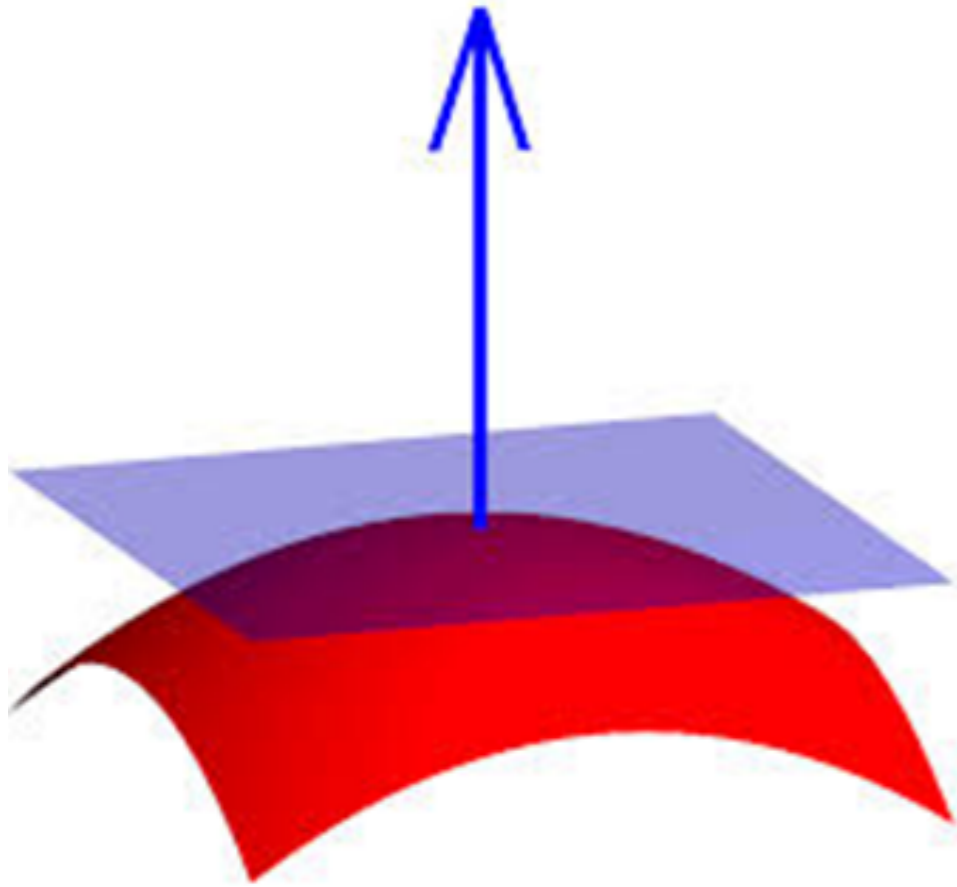
# LA CURVATURA

---



# LA PIZZA AL COFANO

---





*Alessandro Cirillo*



# *Esercizi*



*Al buio lo sguardo è luce*

*Grazie*