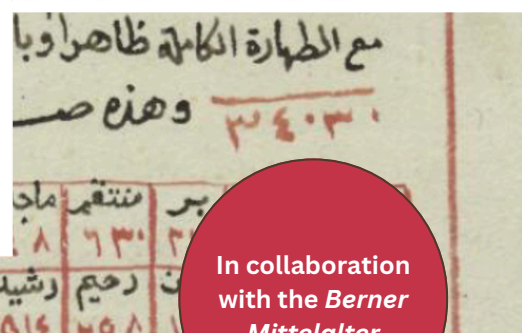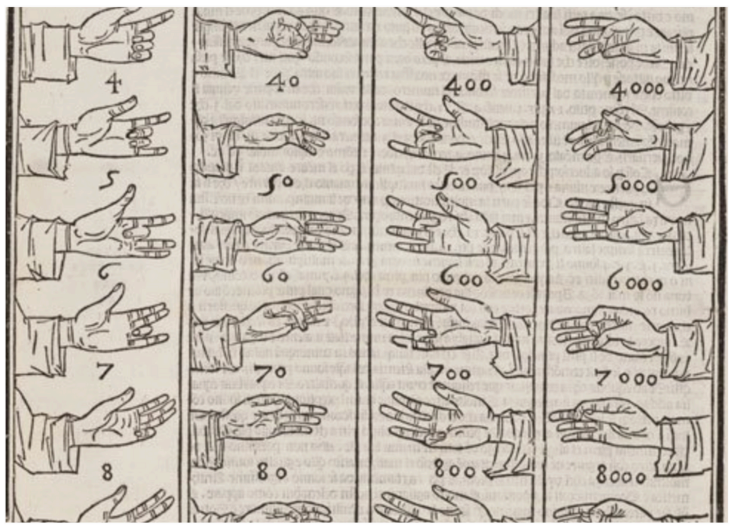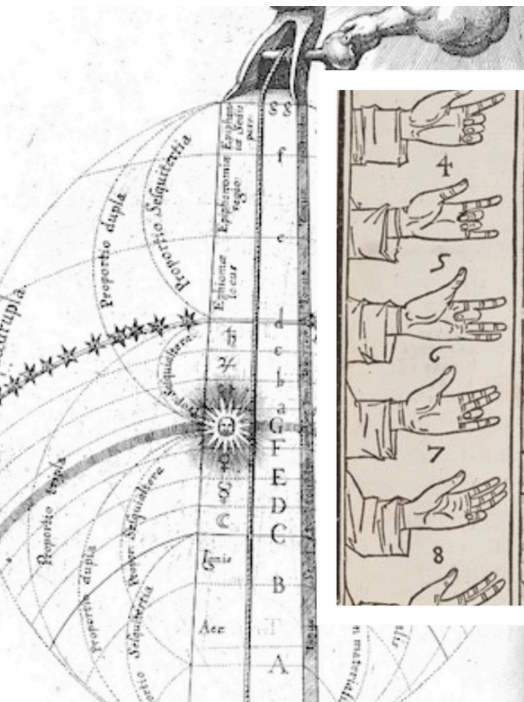**MOMuG | 17.12 | 16:15 - 17:45**

Main Building, Room 033 (Hochschulstrasse 4)

To attend online, please write an email to medimath.momug @unibe.ch

In collaboration with the *Berner Mittelalter Zentrum*

MediMath Roundtable

Numbers Outside Mathematics: Focus on Arts

within the MediMath conference "Using and Thinking Numbers in the Medieval and Early Modern Mediterranean World" (Bern, 17-18 December 2025)

Corinne Mühlemann (IKG, UniBe)
The Woven Grid: Counting Threads and the Logic of the Loom
I plan to explore how the production of medieval Islamic textiles embodies a mathematical logic grounded in counting, repetition, and proportional design. From this perspective, the woven grid itself functioned as a site of mathematical thought, where order, measure, and invention were materially enacted on the loom.

Beate Fricke (IKG, UniBe)
4 elements, 5 zones
Systematic representation of the cosmos has favored numbers as a structuring element. Numbers contributed to the invention of figures to represent ideas about the cosmos.

Cristina Urchueguía (MUSIK, UniBe)
Harmony by Numbers
Since Pythagoras found out, randomly, that musical consonances rely on numeral proportions, numbers played a protagonist role in music thought, music theory, and musical practice. Philosophers from the Antiquity to present times fell in love with the idea that numbers connect mankind through music, with cosmic the spheres.

Björn Bentlage (MOMuG, UniBe)
A Numbers' Game, Literally:
Math in Early Modern Arabic Literature
Contrary to contemporary notions of literature as a field apart and even distant from mathematics, early modern Arabic 'adab' encompassed multiple literary practices to which numbers and numerical relations were central. My contribution will present impressionistic examples from the period's Arabic travel writing in which belletristic literature became a numbers' game.

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