

# A História e a Herança da Matemática

Quarta-feira, 08 de maio de 2024, 15h30.

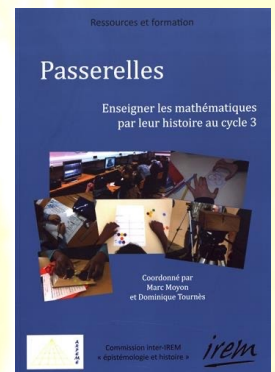
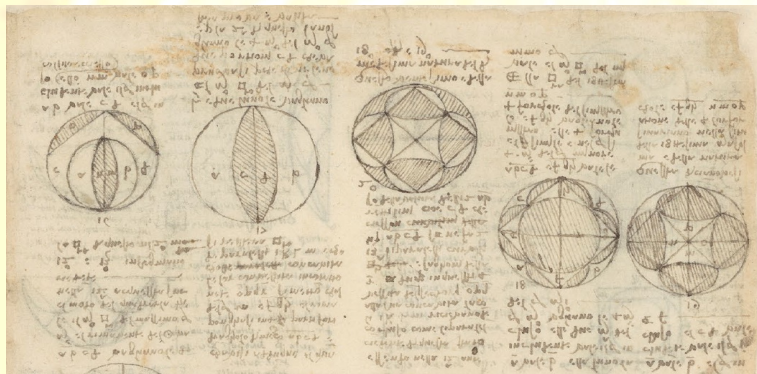
DMAT Sala Sousa Pinto

## ENHANCING MATHEMATICS EDUCATION: UNLOCKING DA VINCI'S GEOMETRIC DRAWINGS

Incorporating a historical perspective into mathematics education is crucial for deepening students' understanding of mathematical concepts and their evolution. This is what the international HPM network is all about and the aim of *Passerelles*, an important French publication from IREM (Institute of research on maths education), coordinated by Marc Moyon and Dominique Tournès (University of La Réunion).



Presumed self-portrait of Leonardo (c. 1510).  
Royal Library of Oxfordshire



While studying Leonardo da Vinci's geometric sketches provides fascinating insights into the intersection of art and mathematics during the Renaissance, it's equally important to develop independent lessons on the history and pedagogy of mathematics. By integrating historical experiences like Da Vinci's sketches into classroom activities, educators can engage students in hands-on learning that not only enhances their mathematical skills but also fosters an appreciation for the historical context of mathematical concepts. This approach cultivates a deeper understanding of mathematics and its significance over time, enriching students' educational experiences.

**Marc Moyon**

**Université de Limoges/ CIDMA - Universidade de Aveiro**



Marc Moyon is a French historian of medieval mathematics at the **University of Limoges in France**, where he leads the Higher National Institute of Teaching and Education. For several years, Marc Moyon has been conducting research, within the French network of IREMs, on mathematics education, in particular on the implementation of a historical perspective in the training of mathematics teachers and in the teaching of mathematics. Since January 2024 he is a member of the research group in History of Mathematics and Mathematics Education of CIDMA.

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