

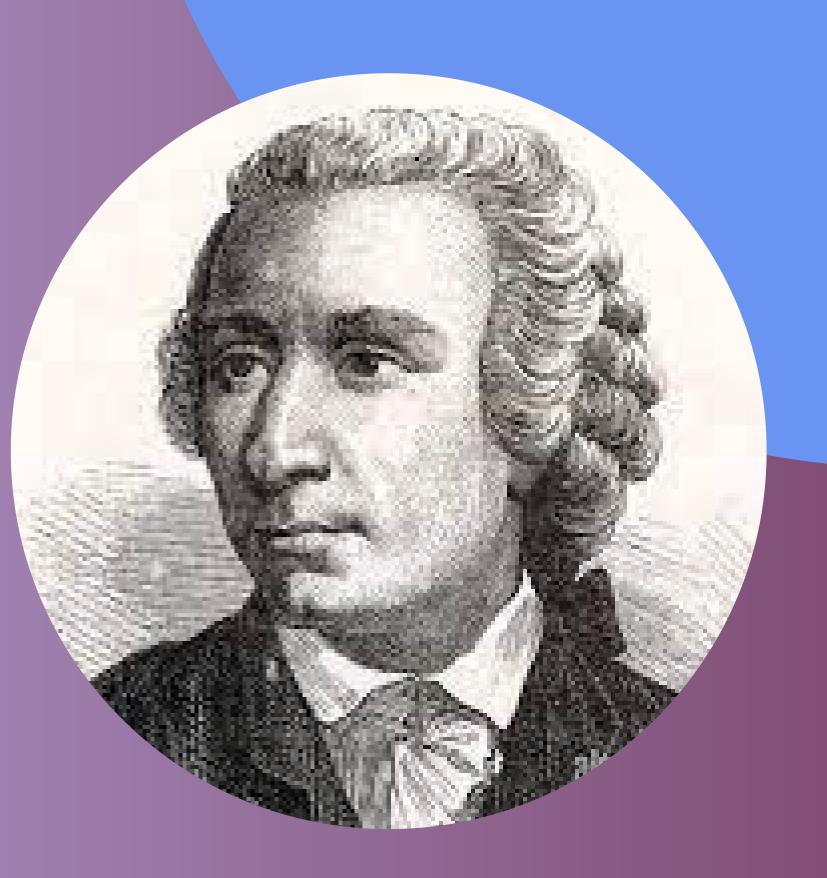
Bryn Mawr College Distressing Math Collective Presents



## An Evening with Euler

Presented By: William Dunham, Research Associate in Mathematics at Bryn Mawr

Abstract: Among history's foremost mathematicians is Leonhard Euler (1707-1783). In this presentation, we sketch Euler's life, discuss his voluminous mathematical output, and survey a few of his discoveries from number theory, graph theory, and other branches of mathematics. We conclude with a proof - in full detail - of one of his greatest theorems: the solution of the "Basel Problem" from 1734. There, Euler found the exact value of the infinite series 1 + 1/4 + 1/9 + 1/16 + 1/25 + ... in a brilliant display of analytic wizardry. Tradition has it that Laplace described Euler as "the Master of Us All." This should show why such a characterization is apt.



NOTE: The talk is accessible to any student who has had calculus.

When: Wednesday, September 27th at 7pm Where: Park 245 or via Zoom Zoom Info: Meeting ID: 958 0798 2212 Password: 792030

