



An Evening with Euler

**Presented By: William Dunham,
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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 $1 + 1/4 + 1/9 + 1/16 + 1/25 + \dots$ 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

