

BAMA

School Year 2020—2021
Join us for a free talk...

Tony Várilly-Alvarado *Magic Squares of Squares*

**Via Zoom at 7:30 pm
Tuesday, March 16, 2021**

<https://scu.zoom.us/j/97652406018?pwd=RXdJWFoyc2JaRHJyZThacGV5UEIJQT09>

Please join meeting between 7:15 and 7:30 pm

Meeting ID: 966 9226 4108

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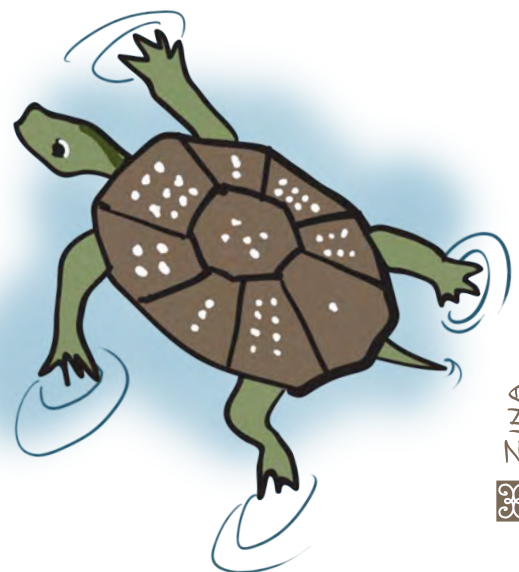
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A 3×3 magic square is a 3×3 grid filled with positive whole numbers (all different!), whose rows, columns, and diagonals add up to the same number. To date, we don't know if there exists a magic square whose entries are distinct squares, like 9, 16, and 25. I believe there is no such magic square, and I will try to convince you that geometry suggests this is so. In our journey, I will say a few words about how in the past geometry made us expect that Fermat's Last Theorem would be true.

Tony Várilly-Alvarado is a Professor of Mathematics at Rice University, where he has worked since earning a PhD in Mathematics at UC Berkeley in 2009. He was born and raised in Costa Rica, and came to the United States as a teenager to study Mathematics. He enjoys thinking about problems that involve whole numbers but can be accessed through geometry, and he loves sharing his passion for Mathematics. Tony is a Fellow of the American Mathematical Society



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