



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



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*Refined counting of core
partitions into distinct parts*

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Abstract: A partition is a way of breaking up a positive integer into positive integer parts. For example, the partitions of three are: 3 , $2 + 1$, and $1 + 1 + 1$. Partitions can be represented by diagrams, some made of boxes and some made of beads, and we can use these diagrams to help us count the partitions. In this talk, we will learn about partitions called simultaneous core partitions, and the diagrams we can use to count them. This talk is based on a collaboration with Dr. Hannah E. Burson and Dr. Armin Straub.

Background: No prerequisite knowledge required; all math enthusiasts are welcome!

About the speaker: Simone Sisneros-Thiry received her PhD last year from the University of Illinois at Urbana-Champaign. She is an assistant professor of mathematics at California State University, East Bay and her current research is in both combinatorial number theory and math education.

COLLOQUIUM BROADCAST VIA ZOOM, 3PM PACIFIC
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