CCSU DEPARTMENT OF MATHEMATICAL SCIENCES COLLOQUIUM

Friday, September 16 4:30 – 5:30 PM Maria Sanford, Room 101

DIGITAL PATTERNS AND DOMINANCE ORDER IN BASE-3/2

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Abstract: In this talk we explore the base-3/2 representations of non-negative integers. We explain how to construct these representations and identify digit patterns within them. A special matrix is recursively defined in order to describe and understand these patterns. Connections are drawn between this matrix and a partial order on non-negative integers. Properties of this order are investigated by using two visualization techniques.

For further information:

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