

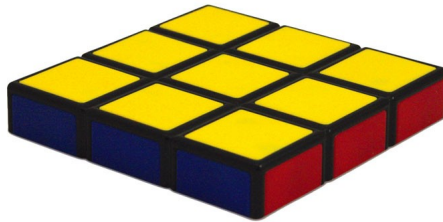
# Secret Student Seminar

Experimental Algebra & Geometry Lab

## A 2-Dimensional Version of the Rubik's Cube

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### Abstract

We define a 2-dimensional version of the Rubik's Cube. Then we compute the group of motions in various cases. Computing the sequence of orders of these groups gives a new sequence in the Online Encyclopedia of Integer Sequences. This sequence measures the complexity of the game as the size of the game increases. We end the talk with open questions.

Date: Friday, April 19, 2013

Time: 2:00pm–3:00pm

Place: MAGC 1.302

**Pizza and soda will be served at the presentation.**

For further information or for special accommodations, please contact Dr. Sean Lawton via email at [lawtonsd@utpa.edu](mailto:lawtonsd@utpa.edu).