

# Introduction to Polyomino Ideals

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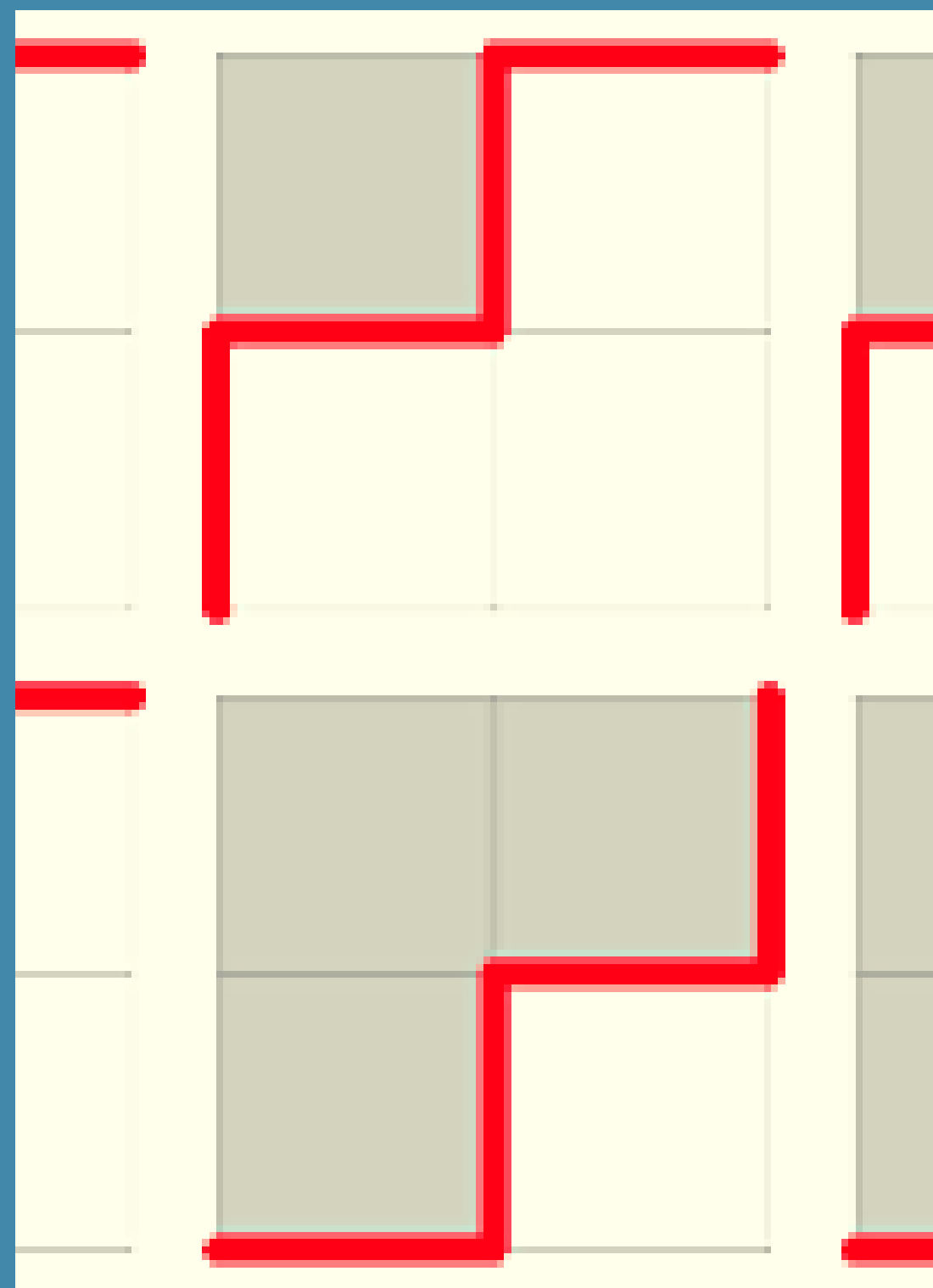
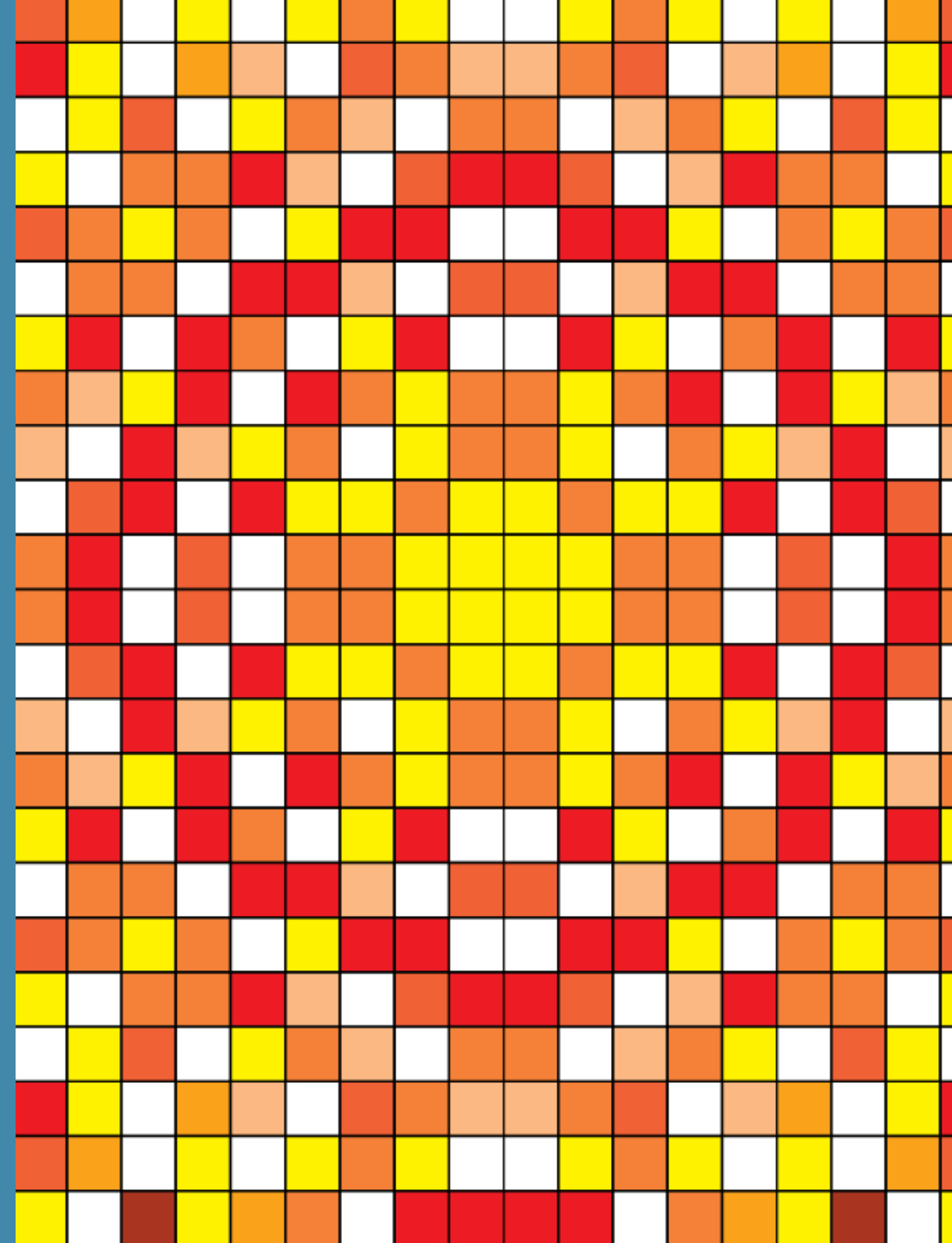
Abdus Salam School of  
Mathematical Sciences

**Tuesday April 10, 2018**  
**2:00PM**

Polyominoes are two dimensional shapes extensively discussed in connection with tiling of the plane. They are also of interest in recreational mathematics and combinatorics.

Polyomino ideal is the ideal of inner 2-minors of a polyomino. These were first discussed in [1]. In this talk, I will explain the algebraic properties of polyomino ideal just from the combinatorics of polyomino.

[1]. A. A. Qureshi, Ideals generated by 2-minors, collections of cells and stack polyominoes, J. Algebra, 357, 279{303, (2012).



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