

# Robertson-Seymour Posets and Computational Geometry

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## ABSTRACT

The talk will survey the theory of RS posets and the applications and potential applications of the theory to problems in computational geometry. One of the themes of recent research in this area is that there are many RS posets besides graph minors, and there are likely many more that will be found on various kinds of combinatorial objects. Apart from direct applications of RS posets to geometric problems, it is sometimes possible to reduce geometric problems to combinatorial problems amenable to RS posets. Applications of the theory to computational geometry are as yet relatively little explored. We will describe a variety of tantalizing leads which suggest that a wide range of applications may be possible.