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DEPARTMENT OF MATHEMATICS

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An Introduction to Enumeration Schemes

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Abstract: A number of interesting counting questions arise from studying objects that avoid other objects. I will discuss the problem of counting permutations that avoid other permutations. There are four general methods that can answer multiple instances of this permutation counting problem. I will describe one of these methods, enumeration schemes, in detail and give several examples of its utility.

MMS 130
3:45–4:45pm
November 18th, 2009