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*Number theory in finite fields from a geometrical point of view*

Facing insurmountable obstacles regarding questions about digits of natural numbers, researchers have explored the concept of digits of elements in finite fields. In doing so, they try to gain insight into the same questions for this easier case, in order to apply this to the question in the original setting. In this new setting, classical techniques rely heavily on finite field machinery such as character theory and estimates of exponential sums. In this talk, we will reformulate the problem in graph theoretical and geometrical terms in order to obtain new proofs of known theorems and extend them.