

Boolean Function and Covering Systems

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Paul Erdős was one of the most prolific mathematician of the past century. Although he had “left” us more than two decades ago, his legacy still lives on. Here we discuss Berger, Felzenbaum and Fraenkel [1986] “The Book” solution to his problem on covering systems. The proof is not only a combinatorics gem but also served as the great example of a connection between somewhat unrelated areas of mathematics.

The talk will follow from the beautiful expository of my Ph.D. advisor, Doron Zeilberger. No computer programs will be mentioned during the presentation of this talk.