



"The floodgates to pattern formation problems"

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W. T. Gowers, a Fields medalist from Cambridge in 1998, eloquently expounded on the pivotal role of Paul Erdős in his essay titled "The Two Cultures of Mathematics." He (Erdős) is famous not because it has large numbers of applications, nor because it is difficult, nor because it solved a long-standing open problem. Its fame rests on the fact that it opened the floodgates to probabilistic arguments in combinatorics.

In a similar vein, Mayan Mimura opened a parallel set of floodgates, ones that lead to the modeling and analysis of reaction-diffusion equations. I am eager to trace the initial footsteps of Mayan and delve into the lasting impact of his contributions on present-day research.