



Main Talks

IV Seminar on Categories and Applications

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Periodicity of spaces of walks

Abstract: Let W_n be the space of walks on the natural numbers in which one starts at position n , takes one step left or right with every second that passes, and continues forever. It turns out that the sequence (W_n) , taken up to isomorphism, is periodic. This is not an isolated curiosity: many similar examples of periodicity can be found, and there is a general theory of such phenomena. This involves the topology of totally disconnected spaces, the theory of rigs, and a certain class of toposes.

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