
Characterizations of Insertable and removable pixels for Digital convex sets in Combinatorics point of view

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Résumé

In this talk, we study the inflation and deflation of digital convex sets while maintaining the convexity property. Knowing that any digital convex set can be read and identified by its boundary word, we use the combinatorics on words perspective instead of a purely geometric approach. In this context, we characterize the pixels that can be added or removed over the digital convex sets without losing its convexity

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