Abstract

The aim of this paper is to find relationship between Poset Geometry and Mathematical Morphology. We characterize morphological convex geometries, using the definition of Moore family. We also show that this can be connected to Alexandroff space. We also presented an algebraic framework for Mathematical Morphology.

Reference

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Index Terms

Computer Science Mathematical Morphology
Key words

family
Alexandroff space

Dilation
Erosion
Morphological closure
convex geometry
Morphological space