

SPATIAL STRUCTURING TECHNIQUES

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Representing form in a spatial context has been and is still an important issue in geometric modeling on computer systems. Since computer generated forms have established a wide range of representation methods ranging from mathematical/geometric models to organic/freeform shapes, different approaches of spatial modeling, representation, visualization and analyzing techniques have been created. This paper will give an overview of spatial structuring techniques that will be suited for a wide range of applications dealing with various kinds of forms.

The presented methods can be used for two-dimensional, three-dimensional and in some cases also higher dimensional forms and space.

The paper will discuss the basic principles of these techniques with examples of spatial structures, possible.