Analysis-suitable T-splines: recent development

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Isogeometric method uses the smooth spline basis that defines the geometry as the basis for analysis, which relies on analysis-suitable geometric descriptions. Analysis-suitable T-splines are a generalization of NURBS that permit local refinement and the watertight representation for complex geometry. In this talk we briefly review the emerging mathematical theory of analysis-suitable T-splines and present some new developments for analysis-suitable T-splines.
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