MATHEMATICS OF IGA

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MINISYMPOSIUM

This session deals with recent questions of mathematical theory arising in IGA. The topics range from theoretical aspects of geometric modeling to approximation theory and the numerical analysis of isogeometric discretizations and solvers. All talks that consider mathematical aspects of problems in IGA or discuss novel mathematical theory are welcome. Examples of topics of theoretical interest include (but are not limited to) smooth bivariate and trivariate splines on unstructured meshes, locally refinable spline spaces, error estimation, preconditioners, multilevel solvers, low-rank approximations, and high-order isogeometric discretizations of multiphysics problems.