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NORMING MESHES BY BERNSTEIN–LIKE INEQUALITIES

MARCO VIANELLO

Abstract. We show that finite-dimensional univariate function spaces satisfying a Bernstein-like inequality admit norming meshes. In particular, we determine meshes with "optimal" cardinality for trigonometric polynomials on subintervals of the period. As an application we discuss the construction of optimal bivariate polynomial meshes by arc blending.

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