

ADAPTIVE MESH REFINEMENT FOR ARBITRARY INITIAL TRIANGULATIONS

Johannes Storn

Bielefeld University, Germany

jstorn@math.uni-bielefeld.de

This talk introduces a simple initialization of the Maubach/Traxler bisection routine for adaptive mesh refinements. This initialization applies to any conforming initial triangulation. It preserves shape-regularity, satisfies the closure estimate needed for optimal convergence of adaptive schemes, and allows for the intrinsic use of existing implementations.

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