

Talk announcement

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Residual-based a posteriori error estimator in adaptive multi-patch Isogeometric Analysis

In this talk, we derive a residual-based a posteriori error estimator for the Poisson problem. First, we will discuss the case of the Courant element and derive conditions in order to prove reliability and efficiency of the error estimator. In the second part, we will have a look at how we can translate these conditions to the case of patchwise error estimation in an isogeometric non-matching multi-patch discretization.