

Talk announcement

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Two-sided bounds for cost functionals of time-periodic parabolic optimal control problems

In this talk, the derivation of computable, guaranteed lower bounds of functional type for cost functionals of time-periodic parabolic optimal control problems are presented. Together with previous results on upper bounds for the cost functional, we obtain two-sided estimates. Moreover, we discuss a different cost functional with the same PDE-constraint, and present two-sided estimates of functional type for this optimal control problem as well.