

Boundary Null Controllability as the Limit of Internal Controllability: the Heat Case

Maurício C. Santos¹, Felipe W. Chaves-Silva²,
Jean -P. Puel³

¹ Federal University of Paraíba - Brazil

² Federal University of Paraíba - Brazil

³ Université de Versailles St Quentin - France

It is well known that, for the heat equation with Dirichlet boundary condition, both internal and boundary null controllability hold with controls applied to any open subset of the domain and any open subset of the boundary, respectively. The purpose of this talk, is to show that for the heat equation the boundary null controllability can be obtained as the limit of distributed null controllability.

References

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- [2] C. FABRE, *Exact boundary controllability of the wave equation as the limit of internal controllability*, SIAM journal on control and optimization