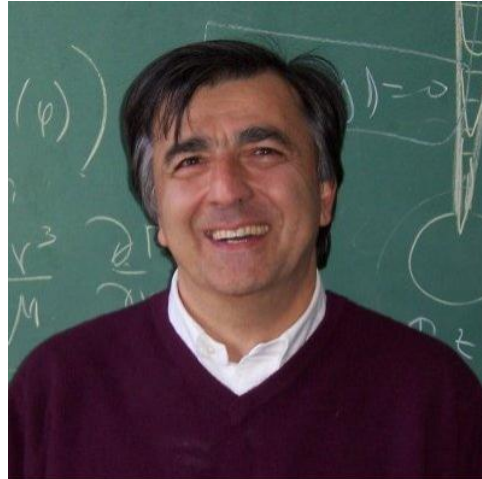# Alternative Schwartz Algorithm for Elliptic Equation of Second Order with Zaremba Type Boundary Conditions

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Room: MATH 011. Time: 4:00pm.

ABSTRACT. In this talk we will present some results for alternative Shwartz domain decomposition algorithm with overlapping. In this presentation we will formulate and prove simplified version of the estimate for harmonic measure in non-tangential inner set with limiting points on the boundary. Obtained estimate is used to prove convergence of Schwartz algorithm. The latter is adopted for rigorous justification of boundary control problem with distributed parameters.