



DK Talk announcement

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T111**

“On Levi Functions”

Fundamental solutions to elliptic partial differential operators are explicitly known only in particular cases whereas Levi functions can always be constructed.

In this lecture, the simple case of a second order operator with variable coefficients will be considered and with Levi Functions a system of domain-boundary integral equations for the Dirichlet problem will be obtained. The mapping properties of the corresponding operators will provide the opportunity of employing efficient solution techniques.