1142-35-221   **Irina Mitrea*** (`imitrea@temple.edu`), Department of Mathematics, 638 Wachman Hall, Temple University, 1805 N. Broad St., Philadelphia, PA 19122. *Singular Integral Operators of Layer Potential Type.*

One of the most efficient approaches to solving boundary value problems for elliptic partial differential equations is the method of boundary layer potentials. In this talk I will survey some of the recent progress made in understanding the nature of integral operators of boundary layer type in optimal geometrical settings. (Received September 04, 2018)