

1142-35-193

Dorina Mitrea* (mitread@missouri.edu), University of Missouri, Department of Mathematics, Columbia, MO 65211. *Geometric measure theory, singular integral operators, and integral representation formulas in complex analysis.*

We explore the implications of a new brand of Divergence Theorem formulated with boundary traces taken in a non-tangential pointwise sense vis a vis to integral representation formulas in complex analysis in an optimal geometric and analytic setting. (Received September 03, 2018)