

1119-32-243

Emil J. Straube* (straube@math.tamu.edu). *Two open problems concerning compactness in the $\bar{\partial}$ -Neumann problem.* Preliminary report.

I will discuss to what extent compactness in the $\bar{\partial}$ -Neumann problem is inherited by the intersection of domains. The second problem concerns the relationship between compactness and the existence of a Stein neighborhood basis for the closure of the domain. (Received February 16, 2016)