1035-46-1190 **E. Odell*** (odell@math.utexas.edu), University of Texas at Austin, Department of Mathematics, 1 University Station - C1200, Austin, TX 78712-0257. Some problems in Banach spaces. Preliminary report.

Ideas from logic and set theory have had substantial impact in the geometry of Banach spaces, especially over the past 30+ years. These include Ramsey theory, certain games in Banach spaces and various ordinal indices. We will selectively discuss some of these applications and mention some remaining open problems. (Received September 19, 2007)