

T. J. Ransford, **A new approach to analytic multifunctions**, *Set-Valued Anal.*, 7 (1999), 159–194.

Abstract

We show how the theory of analytic multifunctions can be developed in an elementary and self-contained fashion, using the abstract notions of gauge and multigauge. This approach also yields new information about the metric properties of analytic multifunctions, leading to analogues of Schwarz's lemma and the Schwarz–Pick theorem.