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**Sofia Ortega Castillo\*** ([ortega@math.tamu.edu](mailto:ortega@math.tamu.edu)), Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843, and **William B. Johnson** ([johnson@math.tamu.edu](mailto:johnson@math.tamu.edu)), Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843. *Corona and cluster value problem in infinite-dimensional spaces.*

We will present background on the corona and cluster value problems in finite-dimensional spaces, paying special attention to the ball and the polidisk of the Euclidean space. After introducing an overview of some basic theory of Complex Analysis on Banach spaces, we will also talk about the cluster value problem in infinite-dimensional spaces, mentioning cluster value theorems for  $c_0$  and Hilbert space, which are infinite-dimensional analogues of the polidisk and the ball of the Euclidean space. We will also mention some cluster value theorems for  $\ell_p$ ,  $1 \leq p < \infty$ , for uniformly convex spaces and for  $C(K)$  spaces, with  $K$  compact, Hausdorff and dispersed. We will also discuss a reduction of the cluster value problem in any Banach space to  $\ell_1$  sums of finite-dimensional spaces. (Received August 28, 2013)