

1086-32-298

Sofia Ortega Castillo* (ortega@math.tamu.edu), Department of Mathematics, Mailstop 3368, Texas A&M University, 77843-3368 College Station, TX, Mexico. *The cluster value problem in spaces of continuous functions.*

I will give an overview of some basic theory of Complex Analysis on Banach spaces, as well as I will present background on the two main problems I am interested in: the corona problem and the cluster value problem. I will also give an outline of the ideas and techniques involved in proving three cluster value theorems for spaces of continuous functions. This is joint work with William B. Johnson. (Received August 17, 2012)