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Adrian Vajiac* (avajiac@chapman.edu). "*Singularities of functions of one and several bicomplex variables*".

In this talk we study the singularities of holomorphic functions of bicomplex variables. In particular, we use computational algebra techniques to show that even in the case of one bicomplex variable, there cannot be compact singularities. The same techniques allow us to prove a duality theorem for such functions. (Received September 11, 2009)