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# EL IMUVA OS HABLA

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### *Classes of ultradifferentiable functions*

**Abstract:** Spaces of ultradifferentiable functions are subclasses of smooth functions with certain growth conditions on all their derivatives. In the literature two different approaches are considered, either using a weight sequence or using a weight function. We present a generalization, namely classes defined by weight matrices, and characterize the quasianalyticity and several important stability properties for those classes.

**Sala de Grados I, Facultad de Ciencias**  
**Jueves 11 de Mayo de 2017 (17:00)**  
**Organiza: G.I.R. Análisis Funcional Aplicado**

