Generalized functions: an introduction

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Date and Place: April 10, 2014, University of Vienna

ABSTRACT

This talk is an introduction to the theories of generalized functions by
L. Schwartz (Distribution theory) on the one hand and J.-F. Colombeau
(Colombeau algebras) on the other hand. I will give sufficient motivation for the
formation of these theories and sketch their main properties and applications
in a non-technical manner.