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Multiple operator integrals and their applications.

Abstract

Multiple operator integrals are multilinear transformations on operators that naturally arise as remainders of Taylor approximations of operator functions and also as extensions of Schur multipliers to a multilinear case. Theory of multiple operator integrals has been developing for over 60 years and has accumulated a number of important results and interesting applications. We will discuss recently established analytic properties of these transformations and their applications to perturbation theory.

Talk time: 07/21/2016 11:40AM— 07/21/2016 12:30PM

Talk location: Brown Hall 100