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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