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Title: Bilinear estimates in Besov spaces

Abstract: In this talk we consider the bilinear estimates, also called the fractional Leibniz rule, in Besov spaces generated by the Dirichlet or Neumann Laplacian on a domain. These estimates are proved by using the gradient estimates for heat semigroup together with the Bony paraproduct formula and boundedness of spectral multipliers. This is a joint work with Tsukasa Iwabuchi (Tohoku Univ.) and Tokio Matsuyama (Chuo Univ.).