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Virginia Naibo* (vnaibo@math.ksu.edu), Mathematics Department, 138 Cardwell Hall, Kansas State University, Manhattan, KS 66506. *On certain commutator estimates*. Preliminary report.

We will present various commutator estimates in the settings of Lebesgue, variable Lebesgue, Triebel-Lizorkin and Besov spaces. The commutators to be discussed include those involving bilinear pseudodifferential operators and pointwise multiplication by Lipschitz functions, fractional derivatives and pointwise multiplication, and Littlewood-Paley operators and vector fields. The talk is based on respective collaborations with Arpad Benyi, David Cruz-Uribe and Jarod Hart. (Received August 21, 2016)