

1125-43-1297

Irina Holmes* (irina.holmes@email.wustl.edu), St. Louis, MO, and **Brett D. Wick** and **Stefanie Petermichl**. *Weighted Inequalities for Little BMO*. Preliminary report.

We discuss two-weight inequalities for commutators with the double Hilbert transform in the multiparameter context of little BMO. Specifically, we discuss A_p weighted bounds for $[b, H_1 H_2]$, where b is a function in little BMO and H_i is the Hilbert transform in each variable. (Received September 16, 2016)