

1062-42-64

Camil Muscalu* (camil@math.cornell.edu), Department of Mathematics, Cornell University, Ithaca, NY 14853. *Some remarks on the n - linear Hilbert transform, for $n \geq 2$.* Preliminary report.

We shall describe a recent theorem which states that any 5 - linear multiplier whose symbol is given by the product of two generic symbols of the 5 - linear Hilbert transform type, does not satisfy any L^p estimates of Hölder type. Several generalizations of this fact will also be discussed. (Received July 23, 2010)