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Loukas Grafakos, Diego Maldonado and Virginia Naibo* (vnaibo@math.ksu.edu). *A remark on an endpoint Kato-Ponce inequality.*

Kato-Ponce inequalities, also known as fractional Leibniz rules, play an important role in the study of solutions to partial differential equations such as Euler, Navier-Stokes and Korteweg-de Vries. Bilinear estimates intended as a step towards an L^∞ -endpoint fractional Leibniz rule will be introduced. In particular, a bilinear version of the classical Gagliardo-Nirenberg interpolation inequalities for a product of functions will be presented. (Received February 06, 2014)