

1056-42-1455 **Michael Bateman*** (bateman@math.ucla.edu). *Maximal averages along one-variable vector fields.*

We prove L^p estimates for a maximal operator along rectangles pointed in the direction of a vector field in R^2 depending on one variable. These estimates are related to the work of Lacey and Li on the Hilbert transform along vector fields. (Received September 21, 2009)