1099-26-216

Alexander Reznikov* (`rezniko2@msu.edu`), 619 Red Cedar Road, Wells Hall, East Lansing, MI 48823, and **Vasiliy Vasyunin** and **Alexander Volberg**. *Extremizers and Bellman function for martingale weak type inequality.*

We give an exact formula for the Bellman function of the weak type of martingale transform. We also give the extremal functions (actually extremal sequences of functions). We find them using the precise form of the Bellman function. The extremal examples have a fractal nature as it often happens in that kind of problems. This article is devoted to the unweighted weak type estimate. (Received February 09, 2014)