## Convergence in law of partial sums of linear processes in p-variation norm

Rimas Norvaiša Vilnius University, Vilnius, Lithuania

Let  $X_1, X_2, \ldots$  be a sequence of short memory linear processes,  $S_n$  be the *n*-th partial sum process  $S_n(t) = X_1 + \cdots + X_{\lfloor nt \rfloor}$ ,  $t \in [0, 1]$ , and 2 . $We shall discuss a convergence in law of <math>n^{-1/2}S_n$  to a Wiener process in *p*-variation norm. In the case when  $X_1, X_2, \ldots$  is a sequence of independent identically distributed real-valued random variables, the result is proved in [1]. This is a joint work with A. Račkauskas.

## References

 R. Norvaiša and A. Račkauskas, Convergence in law of partial sum processes in p-variation norm. Lithuanian Mathematical Jornal, Vol. 48, No 2, 2008, pp. 212–227.