Limit theorems for affine stochastic recursions, and application to random medium on the line

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We consider a multidimensional recurrence relation with random coefficients, and we assume moment conditions which guarantee the existence and uniqueness of a stationary measure. We show the convergence in law of the normalized sums towards a stable law. As a consequence, we show slow diffusion properties for random walks on $\mathbb{Z}$, in random medium.

`List of invited speakers` `Schedule for December 15`