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## A Non-Ballistic Law of Large Numbers for Random Walks in I.I.D. Random Environment

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## Abstract

We prove that random walks in i.i.d. random environments which oscillate in a given direction have velocity zero with respect to that direction. This complements existing results thus giving a general law of large numbers under the only assumption of a certain zero-one law, which is known to hold if the dimension is two.

Full text: PDF | PostScript

Pages: 191-197

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