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Mathieu Hoyrup* (hoyrup@loria.fr), LORIA - 615, rue du jardin botanique, BP 239, 75011
Vandoeuvre-les-Nancy, France. *Algorithmic randomness and ergodic theorems.*

While many classical probability results are constructive in the sense of the algorithmic theory of randomness, several theorems from ergodic theory resist effectivization. I will present a survey of recent results in this direction. (Received September 15, 2010)