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### **Chaotic properties of some partial differential equation with a random delay describing cellular replication**

We study some model of a cell population, which is based on a model proposed by Mackey and Rudnicki in [1]. Our model is described by a partial differential equation of a transport-type with a random delay. We consider a random dynamical system generated by this equation and describe its chaotic behaviour.

#### REFERENCES

- [1] M. C. Mackey and R. Rudnicki, *Global stability in a delayed partial differential equation describing cellular replication*, J. Math. Biol., **33**, 89–109.