



Mathematical Physics

Functional evolutions for homogeneous stationary death-immigration spatial dynamics

[Dmitri Finkelshtein](#)

(Submitted on 19 Jul 2011)

We discover death-immigration non-equilibrium stochastic dynamics in the continuum also known as the Surgailis process. Explicit expression for the correlation functions is presented. Dynamics of states and their generating functionals are studied. Ergodic properties for the evolutions are considered.

Subjects: **Mathematical Physics (math-ph)**; Dynamical Systems (math.DS); Functional Analysis (math.FA)

MSC classes: 82C22, 82C21, 60K35

Cite as: **arXiv:1107.3627 [math-ph]**
(or **arXiv:1107.3627v1 [math-ph]** for this version)

Submission history

From: Dmitri Finkelshtein L [[view email](#)]
[v1] Tue, 19 Jul 2011 05:40:23 GMT (20kb)

[Which authors of this paper are endorsers?](#)

Link back to: [arXiv](#), [form interface](#), [contact](#).

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math-ph

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1107](#)

Change to browse by:

[math](#)

[math.DS](#)

[math.FA](#)

References & Citations

- [NASA ADS](#)

Bookmark([what is this?](#))

