

**Shaposhnikov, S. V.**

**Positiveness of invariant measures of diffusion processes.** (English. Russian original)

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This short note studies measures  $\mu$  on  $\mathbb{R}^n$ , which are solutions of  $\mathcal{L}^*\mu$ , where  $\mathcal{L}$  is a linear second order differential operator. This means that for all smooth functions  $u$  one has  $\int Lu \, d\mu = 0$ .

The main results of the paper give sufficient conditions that ensure the positivity of the density of  $\mu$ .

Reviewer: [Dirk Blömker \(Augsburg\)](#)

**MSC:**

- [35J25](#) Boundary value problems for second-order elliptic equations
- [35R05](#) PDEs with low regular coefficients and/or low regular data
- [60H15](#) Stochastic partial differential equations (aspects of stochastic analysis)
- [35J15](#) Second-order elliptic equations

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positivity of solutions; invariant measures; linear PDE; second order

**Full Text:** [DOI](#)

**References:**

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