

**Selivanov, A. V.**

**On time changes for Lévy processes.** (English. Russian original) [Zbl 1053.60514](#)  
*Russ. Math. Surv.* 58, No. 2, 388-389 (2003); translation from *Usp. Mat. Nauk* 58, No. 2, 175-176 (2003).

Let  $Z$  be a Lévy process and let  $Y$  be a nondecreasing càdlàg process independent of  $Z$ . Define  $X := Z \circ \tau$ , i.e.,  $X_t = Z_{\tau_t}, t \geq 0$ .

The author presents conditions under which the measure  $\tilde{P} := \text{Law}(X_t, t \geq 0)$  is locally absolutely continuous with respect to the measure  $P := \text{Law}(Y_t, t \geq 0)$ . These measures are considered on the Skorokhod space  $D(\mathbb{R}_+)$  with canonical filtration  $(\mathcal{F}_t)_{t \geq 0}$ .

Reviewer: [Zdzisław Rychlik \(Lublin\)](#)

**MSC:**

[60G51](#) Processes with independent increments; Lévy processes  
[60G30](#) Continuity and singularity of induced measures

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