

**Erratum : “Some inequalities for some increasing  
additive functionals of planar Brownian motion and  
an application to Nevanlinna theory”**

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i) of Lemma 3 is not valid in general, therefore it is not available for the proof of iv) of Proposition. Because of this the author should correct the statement of the theorem as follows and eliminate iv) of Proposition.

**THEOREM** iii) *If  $\alpha \in (0, \infty)$ , there exist constants  $c_5 > 0, c_6 > 0$  such that for any  $\mathcal{F}_t$ -stopping time  $\sigma$*

$$E_1 \left( \int_0^\sigma g(z_s) ds \right)^\alpha \leq c_5 E_1 (\log^+ \sigma)^\alpha + c_6. \quad (1.3)$$

iv) *Let  $G(z)$  be any function on  $C$  satisfying that  $G(z) \geq \frac{1}{(1+|z|^2)^2}$ .*

*If  $\alpha \in (0, 1)$ , there exists a constant  $c_7 > 0$  such that for any  $\mathcal{F}_t$ -stopping time  $\sigma$*

$$c_7 E_1 (\log^+ \sigma)^\alpha \leq E_1 \left( \int_0^\sigma G(z_s) ds \right)^\alpha. \quad (1.4)$$

The proof of iv) immediately follows from Burkholder-Gundy's inequality and Carne's one ([3], Ref. in the paper), therefore this is not new. As for iii) of Theorem we have only to change “ $\alpha \in (0, 1)$ ” to “ $\alpha \in (0, \infty)$ ”. It is easy to check its validity from our proof. Such changing of the statements does not influence our application of Theorem to the proof of Nevanlinna's theorem.

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