## CORRECTION TO

## "ON THE GROWTH OF SOLUTIONS OF SEMI-LINEAR DIFFUSION EQUATION WITH DRIFT"

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The statement on lines 16 to 20 of page 282 is incorrect in the case when  $\mu>0$ . In fact there exists no travelling wave if F=0 in  $(0, \mu_1)$  with  $0<\mu_1<\mu$  and  $\int_0^1 F(u)du=0$ , as being pointed out in [1] (the Remark of page 342). Here (and below) we mean by a travelling wave a solution of (9) on  $R^1$  with (10). As a consequence of the error, following alterations are needed.

- 1. The statements in (a) of Theorem 1 and in (iii) of § 2 (in the latter the non-increasingness of  $w_1$  should be assumed) remain valid if  $c_0$  is redefined as the supremum of c's for which there exists a solution of w''+cw'+F(w)=0 on  $(-\infty, 0]$  with  $w(-\infty)=1$  and w(0)=0. (If a travelling wave exists (for some c) this supremum agrees with the originally defined  $c_0$ .)
- 2. The statements in (d) of Theorem 1 and (v) of § 2 are true if the existence of a travelling wave is further assumed. (The proof of (d) of Theorem 1 must be slightly modified in the case when  $c_0 \le 0$  and F'(0) = 0.) It is sufficient for the existence of a travelling wave to add the condition

$$\int_{0}^{1} F(u) du > 0; \text{ or } F(u) < 0 \qquad \text{ for } 0 < u < \mu$$

to the basic assumptions for F (cf. [1]).

- 3. The statement in (ii) of § 2 should be read as follows: If  $\mu>0$  and there exists a decreasing solution of (9) on  $R^1$  with (10), then  $c=c_0$ . Besides these corrections above, there are ones to typographical errors:
- 4. In the assumption of Theorem 4, the inequality  $\kappa < c^*$  should be reversed.
  - 5. On the line 5 of page 291, the inequality  $\tilde{u}_1 \ge u_1$  should be reversed.