

WEAK AND SEMI-STRONG SOLUTIONS OF THE  
SCHNEIDER-TRICOMI PROBLEM IN THE EUCLIDEAN SPACE;  
A UNIQUENESS THEOREM FOR THE  
CHAPLYGIN-FRANKL PROBLEM:  
CORRIGENDA

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As they stand, the two papers [1], [2] are vacuous by the virtue of the fact that it is not possible to choose any functions  $a$ ,  $k$  and constant  $\beta$  satisfying all the necessary hypotheses.

Some results can be salvaged by taking  $\beta = 0$  (so that  $V, A, B, C$  in [2] vanish identically). Unfortunately this choice requires  $S > 0$  in [1], hence no new results are obtained. In [2] there are various choices of  $a$  which lead to a slight relaxation of the classical condition  $F(y) > 0$ .

The reader should also note the following:

(1) The conditions  $R_1 \geq d_3 > 0$ ,  $R_2 \geq d_4 > 0$  in  $G_-$  should be replaced by the single condition  $R_2 \geq 0$ . (Note that  $R_1 \geq d_3 > 0$  is impossible because  $k(y) \rightarrow 0$  as  $y \rightarrow 0$ .)

(2) The last paragraph of the statement of Theorem 1 should read:

If there is a negative function  $a \in C^{1,1}(\bar{G})$  such that the above hypotheses hold, and if  $u$  is a quasiregular solution of (3) with  $f \equiv 0$  and  $u = 0$  on  $\Gamma_0 \cup \Gamma_2$ , then  $u \equiv 0$  on  $G$ .

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## References

- [1] John M.S. Rassias, "Weak and semi-strong solutions of the Schneider-Tricomi problem in the euclidean plane", *Bull. Austral. Math. Soc.* **20** (1979), 187-192.
- [2] John M.S. Rassias, "A uniqueness theorem for the Chaplygin-Frankl problem", *Bull. Austral. Math. Soc.* **20** (1979), 217-226.

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