that the function $x = \zeta(u)$ should be constant provided the capacity of E is positive. This contradicts the assumption that the solution $y(x)$ is not constant. Thus our proposition has been established.

The result established above remains valid not only for the differential equation (1) but also for every type of differential equations with fixed critical points which has been enumerated by Painlevé [3].

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1) Gross, W.: Zur Theorie der Differentialgleichungen mit festen kritischen Punkten. Math. Ann. 78 (1918), 332-342.

2) Tsuji, M.: Theory of meromorphic functions in a neighbourhood of a closed set of capacity zero. Jap. Journ. Math. 19 (1944), 139-154; cf. Theorem 3.

3) Paiulevé, P.: Sur les équations différentielles du second ordre à points critiques fixes. C.R. 143 (1906), 1111-1117.

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ERRATA

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p.8, the left part, line 1 from the bottom. Next to "such that" add " $4\sum_{i=1}^{\infty} \varepsilon_i = \varepsilon$ ".

p.9, the left part, line 15. For "Since" read "since".

p.9, the left part, line 9 from the bottom. For "$[x, -u, x+u].F_m$" read "$[x-u, x+u]\cdot F_m$".

p.9, the left part, line 8 from the bottom. Next to "and" add "$F^{(c)}_{m,u,x}$ is $[x-u, x+u]\cdot CF_m$".

p.9, the right part, line 11 from the bottom. Next to "in case" add " $x \in A_\infty$ ".

p.9, the right part, line 5 from the bottom. Add "(6)" at the end.