## On the Luo-Yin results concerning Gevrey regularity and analyticity for Camassa-Holm-type systems

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**Abstract.** Luo and Yin established a generalized Ovsyannikov theorem in [1]. However, Lemma 3.7 on which Theorem 3.1 is crucially based is incorrect. In this note, we present a sufficient condition to Lemma 3.7 to ensure that Theorem 3.1 remains true. The cost is that the life-span of solutions will be smaller.

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