Title: The set of pseudo solutions of the differential equation $x^{(m)} = f(t,x)$ in Banach spaces

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In this paper we prove the existence theorem for the equation $x^{(m)} = f(t, x(t))$ in Banach spaces where f is weakly-weakly sequentially continuous. Moreover, we prove that the set of pseudo-solutions of our equation is compact and connected.

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