

7. Zvi Artstein, **Continuous dependence on parameters: On the best possible results.** J. Differential Equations 19 (1975), 214-225.

Abstract. The paper deals with continuous dependence of solutions of equations on parameters. The objects of investigation are theorems that give sufficient conditions for this continuous dependence. The approach is abstract and adaptable to a large class of differential and integral equations as well as to operator and functional equations. After specifying a criterion to compare the effectiveness of two theorems, we prove the existence of a best result. We show that a best result gives, in a certain sense, necessary conditions for the continuous dependence. An application to ordinary differential equations is displayed.

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