72. Zvi Artstein, **Necessary conditions for continuous dependence.** Dynamics of Cont. Disc. Impul. Systems 3 (1997), 509-516.

Abstract. The correspondence between properties of the right hand side of an ordinary differential equation, and the resulting continuous dependence on parameters, is examined. The continuity is taken to be either with respect to the customary C^0 norm, or with respect to the finer $W^{1,1}$ or $W^{1,\infty}$ topologies. Under Caratheodory and integral Lipschitz conditions, we determine in each case sufficient and necessary conditions for the continuous dependence.

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