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*Global Asymptotic Stability of Equilibria.*

In 1998 two well-known conjectures on Dynamical Systems were disproved by counterexamples. In this talk I will present the two counterexamples, together with theorems establishing the validity of the two conjectures in particular cases. Examples will be given to show that the positive results can be regarded as optimal. (Received August 22, 2008)