

The problem of characterizing structural stability revisited

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Abstract:

The characterization of structurally stable dynamical systems, formulated in its definite form by Palis and Smale in the late sixties, have been a main topic of research in the area of dynamics, spreading for several decades of the last century. The works concerning such question led to a rich theory. Some of the ideas and methods still play an important role today. In this presentation, we provide an outline on this remarkable development.