

Hopf Bifurcation in Different Contexts

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In the past half century much effort in local bifurcation theory has been devoted to describing the kinds of solutions that special classes of vector fields generate. This talk gives an overview of some of the solutions types that occur when the vector fields are either equivariant or admissible with respect to a network or both. Specifically, we review examples of Hopf bifurcation from equilibria to periodic solutions with unusual properties.

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