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Sprinkler bifurcations and stability.

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Summary: After discussing common bifurcations of a one-parameter family of single variable functions, the authors introduce sprinkler bifurcations, in which any number of new fixed points emanate from a single point. Based on observations of these and other bifurcations, they then prove a number of general results about the stability of fixed points near a bifurcation point.

Classification: I95

Keywords: bifurcation; fixed points

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