Bifurcation diagram of saddle/spiral bimodal linear systems

Ferre, Josep; Pena, Marta; Susin, Antonio

We complete the study of the bifurcations of saddle/spiral bimodal linear systems, depending on the respective traces T and $\tilde{\lambda}$: one 2-codimensional bifurcation; four kinds of 1-codimensional bifurcations. We stratify the bifurcation set in the $(T, \tilde{\lambda})$-plane and we describe the qualitative changes of the dynamical behavior at each kind of bifurcation point.

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