



Math for the people, by the people.

Kupka-Smale

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A diffeomorphism f mapping a smooth manifold M to itself is called a *Kupka-Smale* diffeomorphism if

1. every periodic point of f is hyperbolic;
2. for each pair of periodic points p, q of f , the intersection between the stable manifold of p and the unstable manifold of q is transversal.