unstable fixed point

Canonical name	UnstableFixedPoint
Date of creation	2013-03-22 13:06:38
Last modified on	2013-03-22 13:06:38
Owner	mathwizard (128)
Last modified by	mathwizard (128)
Numerical id	6
Author	mathwizard (128)
Entry type	Definition
Classification	msc 37C70
Related topic	AttractingFixedPoint
Related topic	LyapunovStable
Related topic	StableFixedPoint
Related topic	NeutrallyStableFixedPoint
Related topic	LiapunovStable
Related topic	AsymptoticallyStable

A fixed point is considered unstable if it is neither attracting nor Lyapunov stable. A saddle point is an example of such a fixed point.