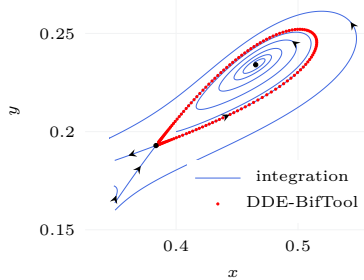
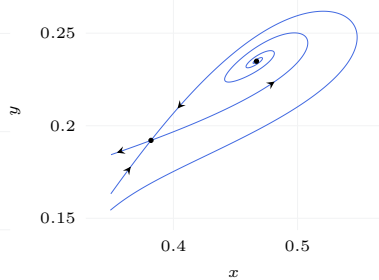


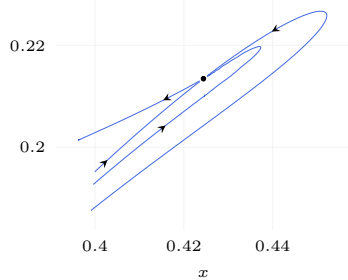
on homoclinic curve



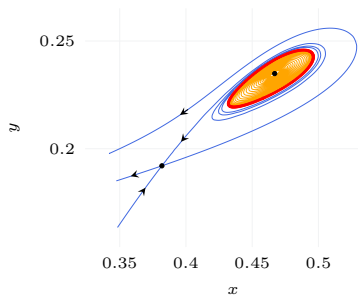
Region I



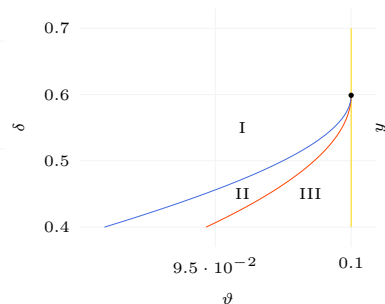
Saddle-node above Bogdanov-Takens point



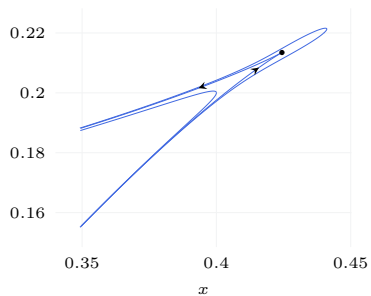
Region II



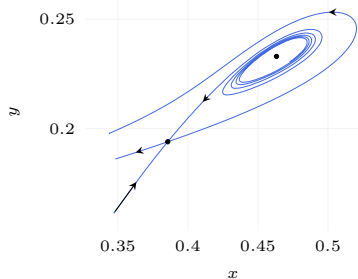
Local unfolding generic Bogdanov-Takens



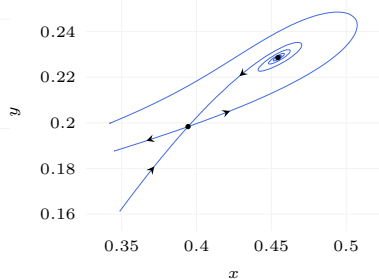
At generic Bogdanov-Takens point



on Hopf curve



Region III



Saddle-node below Bogdanov-Takens point

