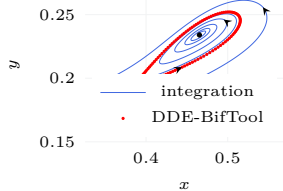
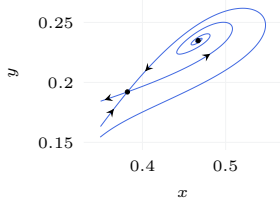


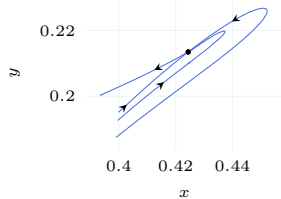
on homoclinic curve



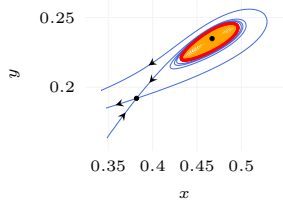
Region I



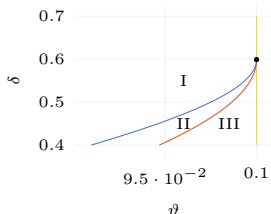
Saddle-node above Bogdanov–Takens point



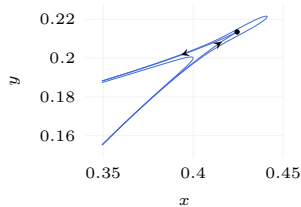
Region II



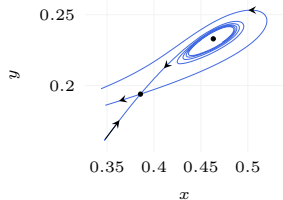
Local unfolding generic Bogdanov–Takens point



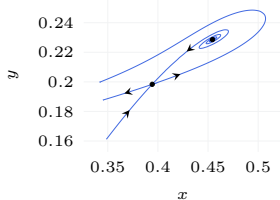
Local unfolding generic Bogdanov–Takens point



on Hopf curve



Region III



Saddle-node below Bogdanov–Takens point

