

This bachelor thesis is mainly concerned with the Sharkovsky theorem. Initially, we define basic concepts from the theory of discrete dynamical systems, followed by a proof of the Sharkovsky theorem based on the examination of the covering relation between the elements of the partition of the interval corresponding to a periodic orbit. Next we concentrate on the stability of the Sharkovsky theorem with respect to the topology of uniform convergence on the space of continuous functions. Lastly, we indicate possible extensions of the Sharkovsky theorem, emphasizing the case of triangular maps.