
**Abstract.** The paper examines the existence of trajectories joining a pair of critical points, or more generally, a pair of compact invariant sets, of abstract dynamical systems. Concrete applications and examples among both finite and infinite dimensional differential equations are presented. The technique follows two stages, First \( \varepsilon \)-connecting orbits, namely, orbits which connect in finite time the \( \varepsilon \)-neighborhoods of the critical sets, are examined. Then, under natural conditions, a limit produces the desired connecting orbit.

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