

Method of Lyapunov functions for impulsive semidynamical systems

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In this work, we consider a Banach fiber bundle (X, h, Y) and a non-autonomous impulsive semidynamical system $\langle (X, \pi, M_X, I_X), (Y, \sigma, M_Y, I_Y), h \rangle$ associated. We prove that this non-autonomous impulsive system is bounded k -dissipative by using Lyapunov functions.

References

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