SUMMARY OF NEW CONCLUSIONS OF PHD THESIS

- Title: **Asymptotic behavior of solutions to multivalued differential systems in infinite dimensional spaces**
- Speciality: Integral and Differential Equations
- Code: 62 46 01 03
- PhD Student: Do Lan
- Scientific Advisor: Assoc.Prof. PhD. Tran Dinh Ke
- Institutional: Hanoi National University of Education

New conclusions

- For the class of differential inclusions with finite delay whose linear part generates an integrated semigroup: We have proved the global solvability and the existence of a compact global attractor for the m −semiflow generated by our system.
- For a class of polytope differential inclusions with Hille–Yosida operator: We have proved the existence of anti-periodic solutions.
- For a semilinear fractional differential inclusion subject to impulsive effects and nonlocal condition: We have proved the global solvability and weakly asymptotic stability of zero solution. In a special case, the nonlinearity F is singleton and satisfies the Lipschitz condition, we have proved the existence and uniqueness of decay solution

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