

# VARIATIONAL RELATION PROBLEMS AND RELATED PROBLEMS IN TOPOLOGICAL SEMILATTICES

Phạm Tuyết Mai, Bùi Thế Hùng

## TÓM TẮT:

In this paper, we apply a version of Fan- Browder's fixed point theorem to study variational relation problems in topological semilattices. Some sufficient conditions on the existence of solutions of variational relation problems in topological semilattices with multivalued mappings are shown. As special cases, we obtain several results on the existence of solutions to quasivariational inclusion problems.