

**Research Highlight: Second-order BSDE under monotonicity condition and liquidation problem under uncertainty**

**Work of Assistant Professor ZHOU Chao**

In this work, we investigate an optimal liquidation problem under Knightian uncertainty. We obtain the value function and an optimal control characterized by the solution of a second-order backward stochastic differential equation (BSDE for short) with monotone generator and with a singular terminal condition.

**Reference:**

A. Popier, **C. Zhou**, "Second-order BSDE under monotonicity condition and liquidation problem under uncertainty". *Annals of Applied Probability*, 29, No. 3 (2019): 1685-1739.