

**Lesmono, D.; Tonkes, E. J.; Burrage, K.**

**An early political election problem.** (English) Zbl 1097.91070

ANZIAM J. 45C, Proc. 2003, C16-C33 (2004).

Summary: Under the democratic systems of government instilled in many sovereign states, the party in government maintains a constitutional right to call an early election. Whereas the constitution states that there is a maximum period between elections, early elections are frequently called. This right to call an early election gives the government a control to maximize its remaining period in power. We find the optimal control for the government by locating an exercise boundary, which indicates whether or not a premature election should be called. This problem draws upon the methods of optimal stopping and stochastic control.

**MSC:**

**91F10** History, political science

**91B12** Voting theory

Cited in **2** Documents

**Keywords:**

early election; politics; stochastic optimal control

**Full Text:** [Link](#)