**Fault Recovery in Logical Manipulation Policies**

Reliably executing manipulation tasks depends on faults. Using a linguistic policy representation, we can compactly encode desired execution, potential faults, and appropriate response.

**Alternative Outcomes**
- Extend the logical domain to include alternative effects

EFFECT: \( q_1 \lor q_1' \lor q_1'' \)

**Uncontrollable Events**
- Check satisfiability in the presence in unblockable events
  - System: \( G \)
  - Spec.: \( S \)
  - Unctrl. Event: \( Z_{uc} \)

\[
G' = G \cap S \\
\tilde{G}' \cap \tilde{Z}_{uc} \subseteq \tilde{G}'
\]

**References**
