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Finite-time dissipative control for singular discrete-time Markovian jump systems with actuator saturation and partly unknown transition rates

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**Highlights**

- A new control problem for discrete singular Markov system is investigated.
- Lyapunov function method, LMI technique and convex optimization are used.
- Both actuator saturation and partly unknown transition rates are considered.
- The derived conditions are less conservative have wider application range.

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