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Containment control for heterogeneous multi-agent systems with asynchronous updates

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Highlights

- This paper studies the containment control problem for heterogeneous multi-agent systems with asynchronous updates, which has been reported in few literatures during the past decade.
- We mainly explore the properties of the product of infinite nonnegative matrices to analyze the heterogeneous containment control problem with asynchronous updates.
- Finally, we derive a necessary and sufficient condition for the heterogeneous containment control problem with asynchronous updates based on the nonnegative matrix theory and graph theory.

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