## Formation Analysis of Dynamic Multi-agent Systems Controlled by a Generalized Cyclic Pursuit Mechanism



where  $\mathbb{C}_+ = \{s \in \mathbb{C} \mid Re(s) > 0\}, \widehat{\mathbb{C}}_+ = \{s \in \mathbb{C} \mid Re(s) \ge 0\}$ 

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The effectiveness of the suggested analysis methodology is demonstrated by the simulation results.