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Complex dynamics analysis for a remanufacturing duopoly model with nonlinear cost

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Highlights

1. A duopoly remanufacturing game with bounded rationality is proposed.

2. The local stability analysis of the equilibrium points had been studied.

3. The dynamics of the system have been analyzed.

4. Simulations show the complex dynamics when some parameters varying.

5. The model arrived at the equilibrium quickly for some controlling parameters.