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Dynamic-sensitive cooperation in the presence of multiple strategy updating rules

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## **ACCEPTED MANUSCRIPT**

- A coevolutionary model is introduced in which not only strategies but also individual dynamical features may evolve.
- Players may use two updating rules simultaneously which are imitation and Death-birth rule.
- We observed that individual dynamical feature, like the level of learning activity, could be a fundamental factor even in a uniform population.
- The way how to mix updating rules is also a fundamental detail which determines the evolutionary outcome.

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