

Trustworthiness of Cyber Systems

1. Do bidders bid truthfully in an online auction?
2. Do agents abide by rules in Bitcoin Protocol?

Check properties of

1. Nash equilibria
2. Dominant strategies

Evolutionary Biology

1. Which behaviors are evolutionary stable?
2. What is common between all evolutionary stable behaviors?

Check properties of

1. Evolutionary stable strategies

Social-political issues

1. Should countries attack or maintain peace?
2. Should a prisoner co-operate with his accomplice?

Check properties like

1. Co-operation
2. Competition