

The Evolutionarily Stable Strategy A.K.A ESS

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Hello,

I've just got a small introduction to ESS (through "The selfish Gene"; well, I'm a beginner) and I had the following questions:—

Are the individuals in a species conscious of the ESS trends and their adaptation to them?

If they unconsciously adapt an ESS, then what (or which parts of their brains) decides that the individual should follow the trends?

What is the nature of the threshold information that an individual requires to change from one strategy to the ESS? For instance, would the individual require direct bruises caused due to its lack of ESS to adapt to ESS? If yes, then how would a survival machine find the ESS? How does it find the ESS? Through trial-and-error or through memory-and-contemplation?

Hope you understand the context of my questions.

Regards.

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