

Re: Lizard engines and rat engines

Source: <http://sci.tech--archive.net/Archive/sci.bio.evolution/2005-07/msg00469.html>

- *From:* Tim Tyler <tim@xxxxxxxxxxxxx>
 - *Date:* Mon, 25 Jul 2005 10:57:15 -0400 (EDT)
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Perplexed in Peoria <jimmenegay@xxxxxxxxxxxxx> wrote or quoted:

> "g" <gillawton@xxxxxxxxxxxxx> wrote in message [news:dbvc4u\\$1@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:dbvc4u$1@xxxxxxxxxxxxxxxxxxxxxxxx)

>> ... I need to do a lot more reading and thinking about entropy. I just
>> sense that most of the people I come into contact with have a "gut feeling"
>> about entropy whereby something has to be put into order by an intelligent
>> orderer (divine, human... or whom have you)

>

> While there is some pretty fuzzy thinking about entropy in this group,
> no one here is quite THAT fuzzy. However, there are at least four
> different meanings of entropy that are used by people in this group,
> and that can be confusing.

- > 1. Information theory entropy (as defined by Shannon).
- > 2. Classical thermodynamic entropy (as defined by Clausius).
- > 3. Statistical mechanics entropy (as defined by Boltzman).
- > 4. Entropy as "disorder".

>

> The first three are quantitative. You can measure them. The second
> and third are nearly the same thing – the second "reduces to" the
> third. The fourth one is a bit fuzzier – there is no way to quantify
> it unless you can quantify "order" and everyone has their own opinion
> as to how that should be done.

According to the principles of Kolmogorov–Chaitin algorithmic entropy,
there's at least one way per language.

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[tim tyler](mailto:tim@xxxxxxxxxxxxx) <http://timtyler.org/> tim@xxxxxxxxxxxxx Remove lock to reply.

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- *References:*
 - ◆ ***Re: Lizard engines and rat engines***
 - ◇ *From:* g
 - ◆ ***Re: Lizard engines and rat engines***
 - ◇ *From:* dkomo
 - ◆ ***Re: Lizard***