

Re: NS and AaD curves

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- *From:* "John Edser" <edser@xxxxxxxxxx>
 - *Date:* Wed, 5 Oct 2005 11:50:26 -0400 (EDT)
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William Morse wdmorse@xxxxxxxxxxxxx wrote:--

> "g" <gillawton@xxxxxxxxxxxxx> wrote in

>> "Anon." <bob.ohara@xxxxxxxxxxxxxxxxxxxxx> wrote in message.

>>> That would be a change in the environment: fitness is defined to be
>>> specific to an environment. If the environment changes, so does
>>> fitness.

>> Something's missing here, because the ratio of Bs to bs is conserved
>> -- unless there is another rule (or several more rules) in the
>> ontology.

>> Let me write down statements, as you give them to me, so I can arrive
>> at the meaning of 'fitness'. I am not arguing here -- just trying to
>> understand the ontology:
>> Statement One -- Fitness is the mathematical odds of a gene's being
>> passed on from a parent to an offspring.

> No, fitness is the expected odds of an offspring with a given gene
> surviving, given the expected environment. As Bob noted, fitness is
> specific to an environment. Which means you should rethink the following
> statement:

JE:--

Bill is not correct. Quite clearly, for any gene to be able to be replicated into just one other body reproduced by that parent, the parent's body that contained this gene must have survived sufficiently for this reproductive act to have taken place. Also, very clearly, if a gene is never ever replicated into another body via a heuristically immortal parent then that gene remains selected against compared to any short lived parent that actually reproduces it. This argument concludes itself with the simple statement that any parent that can live sufficiently to maximally reproduce this gene into it's own offspring's bodies where these offspring remain capable of acting on an inherited potential to do exactly the same (the offspring are fertile and not sterile) then the parent that reproduces the largest TOTAL of these offspring into one population will allow that gene to be selected FOR within that population. ONLY the TOTAL number of FERTILE

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forms reproduced into ONE population can be MAXIMISED by each parent within NATURE and NOT how long each parent lives.

Regards,

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