

Defending The Fallacy of Fine-Tuning

Victor J. Stenger

(Submitted on 28 Jan 2012)

In 2011, I published a popular-level book, *The Fallacy of Fine-Tuning: Why the Universe is Not Designed for Us*. It investigated a common claim found in contemporary religious literature that the parameters of physics and cosmology are so delicately balanced, so "fine-tuned," that any slight change and life in the universe would have been impossible. I concluded that while the precise form of life we find on Earth would not exist with slight changes in these parameters, some form of life could have evolved over a parameter range that is not infinitesimal, as often claimed. Postdoctoral fellow Luke Barnes has written a lengthy, highly technical review [[arXiv:1112.4647](https://arxiv.org/abs/1112.4647)] of the scientific literature on the fine-tuning problem. I have no significant disagreement with that literature and no prominent physicist or cosmologist has disputed my basic conclusions. Barnes does not invalidate these conclusions and misunderstands and misrepresents much of what is in the book.

Subjects: **Popular Physics (physics.pop-ph)**; Cosmology and Extragalactic Astrophysics (astro-ph.CO); History and Philosophy of Physics (physics.hist-ph)

Cite as: [arXiv:1202.4359](https://arxiv.org/abs/1202.4359) [physics.pop-ph]
(or [arXiv:1202.4359v1](https://arxiv.org/abs/1202.4359v1) [physics.pop-ph] for this version)

Submission history

From: Victor Stenger [[view email](#)]

[v1] Sat, 28 Jan 2012 20:13:05 GMT (149kb)

Which authors of this paper are endorsers?

Download:

- [PDF only](#)

Current browse context:

physics.pop-ph

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1202](#)

Change to browse by:

[astro-ph](#)

[astro-ph.CO](#)

[physics](#)

[physics.hist-ph](#)

References & Citations:

- [NASA ADS](#)

Bookmark ([what is this?](#))



Science
WISE