

No Inflationary Big Bang But a Symmetry-Breaking Event Instead: Briggs's Answer to Bartlett

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Abstract: I agree with Bartlett (see viXra 1419.0196) that the world doesn't need any initial inflationary period. That is because the universe was never a singularity – it always had a finite minimum size that did not need inflation to grow larger. What has been taken as hyperinflation was really an episode of E8 symmetry-breaking by electromagnetism, U(1) of an existing unbroken E8 symmetry universe..

Rodney Bartlett gives a thought-provoking argument against both the big bang and inflation episodes. I agree with him about inflation but not about the big bang – the bang was real enough – it was the E8 x U(1) symmetry-breaking event that produced our present feeble force of space-time gravity and also allowed matter to transfer to a rejuvenating universe from a prior universe in massless fermibosonic form.

Unfortunately this E8 symmetry-breaking event is not yet recognized by the physics aristocracy and is unlikely to be any time soon, since E8 symmetry has only a single group member and is thus suspicious. We will have to be patient. In the meantime I suggest working on entangled neutrinos for communication between advanced societies likely to be soon detected, as being most helpful to the advancement of physics and cosmology. My very right-brained mind¹ (I had a right-side stroke 12 years ago at age 78) keeps telling me this is so.

The communication by Bartlett comes at an especially appropriate time for me, on almost the first anniversary of my first letter to viXra concerning the master symmetry E8 and its consequences. I remember another such time, when I first read about E8 symmetry in December 2010, when I then needed a new mechanism for explaining negative intrinsic energy and E8 symmetry immediately solved the problem.

1. Darold A. Treffert , “Accidental Genius”, pp. 52-57, Scientific American, (Aug. 2014)