

Eight Cycles of our E8 Symmetry Universe Have Collapsed, Also Ending Time: our own Cycle has not Collapsed and Time has been Reborn

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Abstract: If E8 symmetry prevails, only 8 cyclic universes are allowed: The collapse of the 8th universe time stopped time: luckily for us the symmetry of life (also of E8 symmetry) produced a rebirth of time and started the 9th universe evolving which it is still doing today.

My last note¹ described how our present E8 symmetry life-evolving universe previously sustained 8 successive cycles lasting a total of 54 billion years before reaching its present size ($80 M^3$) and age ($13.5 + 0.3 \times 10^9$ yrs.). With the coming of each cycle, broken E8 symmetry was replaced by unbroken E8 symmetry. This caused entropy to be reset to zero at the start of each cycle and time to stop also. At the start of the broken symmetry phase of the next 9th cycle (our epoch) time was reborn² but when the scheduled age for the universe to collapse again came (13.5 billion years later) the universe did not collapse³ but has continued on for 0.3 billion years to date.

1. George R. Briggs, "Thanks to Bekenstein bound holographic phenomena collapse of E8 symmetry cyclic universes can be prevented", ViXra 1708.0484, Aug. 2017

2. Lee Smolin, "Time reborn", Houghton Mifflin Harcourt, (2013)

3. John D. Barrow, Chadrima Ganguly, "The shape of bouncing universes", ArXiv 1705.06647v1 (gr-qc) May 2017