Phil Religion: Craig and the Kalam Cosmological Argument

1. Whatever begins to exist has a cause of its existence.
2. The universe began to exist.
3. Therefore, the universe has a cause of its existence.

First Subargument for Premise 2

1. An actual infinite cannot exist.
2. An infinite temporal regress of events is an actual infinite.
3. Therefore, an infinite temporal regress of events cannot exist.

Second Subargument for Premise 2

1. A collection formed by successive addition cannot be actually infinite.
2. The temporal series of past events is a collection formed by successive addition.
3. Therefore, the temporal series of past events cannot be actually infinite.

Third Subargument for Premise 2

1. The Big Bang is the beginning of the universe.
2. So the universe began to exist.

Fourth Subargument for Premise 2

1. Given an infinitely long time, the universe approaches thermodynamic equilibrium.
2. The universe is not in thermodynamic equilibrium.
3. Therefore, the universe has not existed for an infinitely long time.
4. If the universe did not begin to exist, then it has existed for an infinitely long time.
5. Therefore, the universe began to exist.