

Table 4: Evidence against oscillation models

1. The maximum radius of the universe must increase from cycle to cycle because of irreversible thermodynamic changes.
2. The observed density of the universe is at most only three-tenths of what is needed to force a collapse.
3. The density implied by the inflationary model will not force a collapse.
4. No known physical mechanism can ever reverse a cosmic contraction.
5. Even if the universe were to collapse, a bounce would be impossible because of the huge entropy in the universe.