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Kyeongsu Choi* (choiks@mit.edu), 77 Massachusetts Avenue, Bldg 2-238C, Cambridge, MA 02139. *Ancient solutions to the mean curvature flow.*

We will talk about ancient solutions to the mean curvature flow in \mathbb{R}^3 . In particular, we will concentrate on the solutions converging to the cylinder as $t \rightarrow -\infty$. In that case, we show the existence and the uniqueness of an ancient solution for each non-trivial eigenfunction. (Received February 03, 2019)