Entire downward translating solitons to the mean curvature flow in Minkowski space

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In 2005, Mark A. S. Aarons conjectured that if $u$ is a downward translating solution to the mean curvature flow with forcing term in Minkowski space, then it has to be rotationally symmetric or flat. In this talk, we will discuss some classical results related to this topic and also our results and proof. This is a joint work with J. Spruck.