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Walter M. Rusin* (rusin018@math.umn.edu), 3620 S Vermont Ave, KAP 108, Los Angeles, CA 90089. *Minimal initial data for potential Navier-Stokes singularities.*

Assuming some initial data lead to a singularity for the 3d Navier-Stokes equations, we show that there are also minimal initial data in the scale invariant homogenous Sobolev space which will produce a singularity. The talk is based upon joint work with Vladimir Sverak. (Received August 18, 2010)