

# [The ‘v’ is zero when t=0 and](https://assignbuster.com/the-v-is-zero-when-t0-and/)

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So theypossess initial singularity. However, as T increases these singularities vanishbut the model (30) has no singularities. At initial momentum (T= 0), quarkpressure and density are infinite, further both decreases as T increases. Thespecial volume ‘ V’ is zero when T= 0 and becomes infinite when T®¥. The expansion scalar q andshear scalar s2tends to infinity as T  = 0.

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The string tension density, string energy, scalar expansionand shear scalar become infinite for T= 0 which indicates that the universestarts at T= 0. So they possess initial singularity. However, as T increasesthese singularities vanish but the model (40) has no singularities. At initialmomentum (T= 0), quark pressure and density are infinite, further both decreasesas T increases. The special volume ‘ V’ is zero when T= 0 and becomes infinitewhen T®¥. The expansion scalar q and shear scalar s2tends to infinity as T  = 0.

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My result may have some observationalconsequences, in principle at least, for the astrophysical effects of cosmic evolution, yielding possible relic evidences on the importance of extra dimensions at theearly universe. However, it may be too premature to come to any definiteconclusions in this regard. Hence I am brief on this point.