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Some String Cosmological Models in Cylindrically Symmetric Inhomogeneous Universe

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Abstract: The aim of this paper is to investigate the behavior of a string in the cylindrically symmetric inhomogeneous cosmological model. It has been assumed that expansion θ in the model is proportional to σ^1_1 of the eigenvalue of the shear tensor $\sigma^\mu_\blacksquare$. Also, various physical and geometrical properties of the model have been discussed.

Key Words: String, Cosmological Models.