

## Bianchi Type- I Viscous Fluid Cosmological Models with Stiff Matter and Time Dependent $\Lambda$ - Term

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**Abstract :** Einstein's field equations with variable cosmological term  $\Lambda$  are considered in the presence of viscous fluid for Bianchi type I space time. Exact solutions of Einstein's field equations are obtained by assuming cosmological term  $\Lambda$  Proportional to  $(R$  is a scale factor and  $m$  is constant). We observed that the shear viscosity is found to be responsible for faster removal of initial anisotropy in the universe. The physical significance of the cosmological models has also been discussed.

**Keywords :** bianchi type, I cosmological model, viscous fluid, cosmological constant  $\Lambda$

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