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Tilted Bianchi Type I dust fluid magnetized cosmological model in general relativity

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Abstract: Tilted Bianchi Type I perfect fluid cosmological model in presence of magnetic field is investigated. To get a determinate solution, we assume $p = 0$ and $A = BC$, where A, B and C are metric potentials. A special model is also investigated in the absence of magnetic field. The various physical and geometrical aspects of both the models are also discussed. The effect of the magnetic field on the model is also discussed.

Key Words: Bianchi type I, dust fluid, tilted models

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