

About test particle diffusion in a sheared magnetic field

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In our paper we have studied the transport of particles moving in a sheared stochastic magnetic field considering also the particle collisions. The transport is influenced by the collisional Kubo number and the shear Kubo number that gives an asymmetry of the trajectories. We have studied only a few cases given by the collisional Kubo number and different values of the shear Kubo. An analogy with some characteristics of the interaction between patients and the medical system was presented.

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