

Temperature dependence of white dwarfs magnetic fields

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Abstract. We report analysis of 33 magnetic white dwarfs, their frequency versus temperature. Using the cooling function of white dwarfs we have found a dependence of their magnetic fields on age. This dependence has two branches — generation sequence with $t(\text{gen}) = 0.1$ Gyr, and decay sequence with $t(\text{dec}) = 0.9$ Gyr.