

# General magnetic field measurements on solar-like stars with different types of activity

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## Abstract.

We present the results of measurements of the general magnetic fields (GMF) of  $\epsilon$  Eri,  $\chi^1$  Ori,  $\xi$  Boo A and 61CygA. The value of GMF of 61CygA is similar to the fields of the stars  $\epsilon$  Eri,  $\chi^1$  Ori,  $\xi$  Boo A, which are younger and more active but exceeds the general magnetic field of the Sun by a factor of 10. We suppose that:

- 1) the general magnetic field reflects properties of the primordial field in the radiative core of solar-like stars;
- 2) the internal global magnetic field of the 61 Cyg A core is stronger than solar.