

D. Kudryavtsev¹, I. Romanyuk¹ and V. Elkin²¹ *Special Astrophysical Observatory of RAS, Nizhny Arkhyz 369167, Russia*² *Centre for Astrophysics, University of Central Lancashire, Preston PR1 2HE*

We present new results and discuss future trends of the ongoing project of the searching for new magnetic stars in stellar groups and open clusters. Observations are carried out at the 6-m and 1-m telescopes of the Special Astrophysical Observatory. We select candidates by analyzing the depression profile at a wavelength of 5200 Å at low resolution spectra (a modification of the Cramer and Maeder method). These candidates are observed then with the high resolution and a Zeeman analyzer. More than 20 new magnetic stars were found during the time of this project execution. The efficiency of the candidates selection is not less than 60%. We found several stars with very strong magnetic fields, among them HD 178892 with the surface magnetic field not less than 20 kG.
