Introduction to the current status of solar magnetic field measurements in China

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Solar magnetic field is a key parameter to understand the solar activity and its influence to the interplanetary space in the solar system. The solar magnetic field measurement is always an enormous challenge to the solar community. We firstly overview the history of solar magnetic field measurement since last early century and analyze the difficulty and progress of practical methods. Then we introduce an infrared system for the accurate measurement of solar magnetic field (AIMS) and its current progress, which is supported by National Natural Science Foundation of China and also the current ongoing space-based projects (ASO-S/FMG) to measure the solar magnetic field in China.