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Recent progress on the solar magnetic field study with HMI/SDO



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Abstract

The Helioseismic and Magnetic Imager (HMI) as a part of the NASA Solar Dynamics Observatory (SDO) is designed to study convection-zone dynamics and the solar dynamo, the origin and evolution of sunspots, active regions, and complexes of activity, the sources and drivers of solar magnetic activity and disturbances, links between the internal processes and dynamics of the corona and heliosphere, and precursors of solar disturbances for space-weather forecasts. In this talk, the recent progress on the measurement and the study on the solar photospheric magnetic field with HMI/SDO will be given.

