

Poster

Splinter HiRes

SUPERGRANULAR WAVES REVISITED

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Supergranulation, a pattern of roughly 30 Mm sized convective cells on the Sun, was initially discovered by Hart et al. in the 1950s, but they are still poorly understood. In 2002 Gizon, Duvall and Schou, using a time-distance helioseismic method, reported that the supergranulation shows a wave-like behavior. This was subsequently confirmed using direct Doppler shift observations by Schou (2003). Here we extend the latter analysis using data from the Helioseismic and Magnetic Imager and are able to study various properties in more detail, including their temporal evolution.