

太陽活動領域 AR11263 における磁気リコネクション

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Magnetic Reconnection in Solar Active Region 11263

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We examine the evolution of magnetic field and its energy in NOAA solar active region 11263 based on a vector magnetogram series from the SOT on board the HINODE. We focus on the magnetic field structures with the current sheet and the change of the free energy, which can be released by the magnetic reconnection.