



## **Global coronal seismology and EIT waves**

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The possibility to diagnose the global magnetic field in the solar corona became possible after the discovery and study of global coronal waves (e.g. EIT waves) by EUV instruments onboard space satellites (SOHO, TRACE). Using the properties of these waves, we can derive average values of magnetic field and sample the magnetic quiet Sun visible in the field of view of TRACE. Global waves can also be used to find information about the field in coronal loops using the interaction between EIT waves and coronal loops. Since the EIT waves are the link between eruptive events (flares, CMEs) and loop oscillations, the energy of the sources can be easily estimated.