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The Morphology of Cavities

The motivation for the study of cavities in the solar corona is the need to understand magnetic fields in the corona and to find a way to predict Coronal Mass Ejections (CMEs). Thanks to STEREO mission we now have a capability to look at the solar corona from different angles, which gives us a chance to reconstruct three-dimensional structures on the Sun. The objective of the research is to model an actual cavity based on images from STEREO, and to make inferences on visibility and evolution of cavities based on that model.