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## Morphology of quiet Sun structures observed by XRT

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**Abstract.** The corona of the Sun is very inhomogeneous. The usual classifications distinguish coronal holes and quiet regions, as well as active regions and bright points. These are well characterized and separated from each other, and can be distinguished by their different brightness in soft X-ray images. The quiet Sun regions themselves are not homogeneous outside of bright points: we discovered long narrow structures with sizes from 10'000 to 100'000 km, but they are difficult to observe due to their extremely low contrast. These are likely to be magnetic flux tubes. By using images obtained by very deep integration with XRT we can for the first time analyze the structure and dynamic behavior of these flux tubes and investigate their lifecycle: formation, evolution and dissipation, and relate their behavior to the underlying magnetic configuration.