Info

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Quotient maps between topological spaces

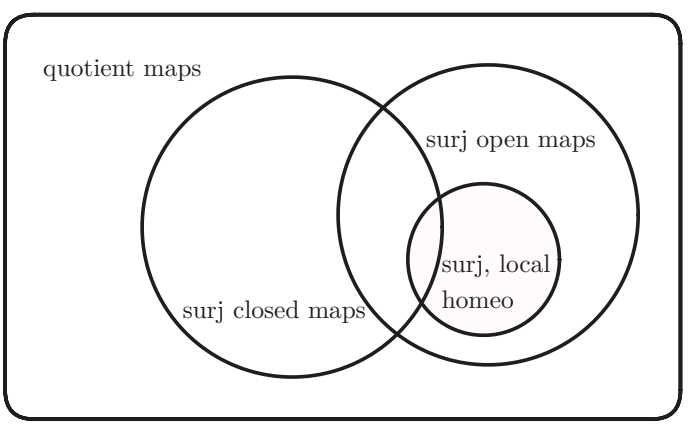
Definition. Quotient maps between topological spaces

A continuous map between topological spaces

$$f : X \to Y$$

is **quotient** if it is surjective and

$$U \subseteq Y \text{ is open } \iff f^{-1}(U) \subseteq X \text{ is open}$$



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