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## thin double track

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Related topic WeakHomotopyAdditionLemma

 $Related\ topic \qquad Homotopy Addition Lemma$ 

Defines thin representattion

**Definition 0.1.** Let us consider a *square* map  $u: I^2 \longrightarrow X$  in a topological space X. Then the homotopy class of u relative to the boundary  $\partial I^2$  of I is called a *double track*. A double track is *thin* if it has a thin representative.