

inv_funs^{13,42}

$$\text{InvFuns}(A;B;f;g) \equiv_{\text{def}} (g \circ f) = \text{Id}\{A\} \ \& \ (f \circ g) = \text{Id}\{B\}$$

clarification:

$$\text{InvFuns}(A;B;f;g) \equiv_{\text{def}} (g \circ f) = \text{Id}\{A\} \in A \rightarrow A \ \& \ (f \circ g) = \text{Id}\{B\} \in B \rightarrow B$$