

## Immersion Intertwines of Infinite Graphs

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An immersion intertwine of two graphs  $G_1$  and  $G_2$  is a graph  $G$  that is minimal with the property that both  $G_1$  and  $G_2$  are immersed in  $G$ . That is, if  $H$  is a graph that is properly immersed in  $G$ , then  $G_1$  is not immersed in  $H$  or  $G_2$  is not immersed in  $H$ . A class of graphs satisfies the Finite Immersion Intertwine Property if every pair of graphs in the class admits only finitely many immersion intertwines. We show that the class of infinite graphs does not satisfy the Finite Immersion Intertwine Property using tools from a similar result for the minor relation.

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