

Exercises

E21.10 [1P5] Prerequisites: [0V8], [1P3]. Show that you can't find a curve $c : [0, 1] \rightarrow [0, 1]^2$ continuous and bijective. Therefore a curve $c : [0, 1] \rightarrow [0, 1]^2$ that is continuous and surjective cannot be injective; such as the Peano curve, the Hilbert curve.

Solution 1. [1P6]