20   Curve

Let (X, d) be a metric space.

Definition 20.1. *[1NV]*

We postpone the study of closed curves to the next section.

Here are two notions of equivalence of curves. The first was taken from an earlier version of the the lecture notes [3].

Definition 20.2. *[1NW]*

The second is Definition 7.5.4 from chapter 7 section 6 in the notes [3].

Definition 20.3. *[1NX]*

Exercises

E20.4 [1J8]

E20.5 [1NY]

E20.6 [1P0]

E20.7 [1P1]

E20.8 [1P3]

E20.9 [1P5]

E20.10 [1P7]

QuasiEsercizio 52. *[1P9]*

20.1   Closed curves

We add other definitions to those already seen in [1NV].

Definition 20.11. *[1PB]*

Exercises

E20.12 [1PC]

E20.13 [1PF]

E20.14 [1PG]

E20.15 [1PH]

QuasiEsercizio 53. *[1PJ]*

In the following we will use periodic maps to represent the closed curves.

Exercises

E20.16 [1PK]

E20.17 [1PN]

E20.18 [1PQ]

E20.19 [1PR]

E20.20 [1PT]

Other exercises regarding curves are [0ZG], [17W], [1H3] and [1TJ]; see also Section [1QB].