

Surprising Isotopies

Figures from V.V. Prasolov's text "Intuitive topology"



(a)



(b)

FIGURE 1.1

1

These two embeddings of a two-holed donut are isotopic!

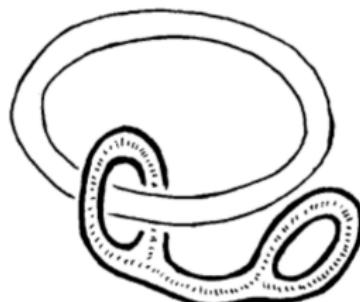


FIGURE 1.5

Illustration of an isotopy



(a)



(b)

FIGURE 1.2

These two configurations of two-holed donut and a one-holed donut are also isotopic!

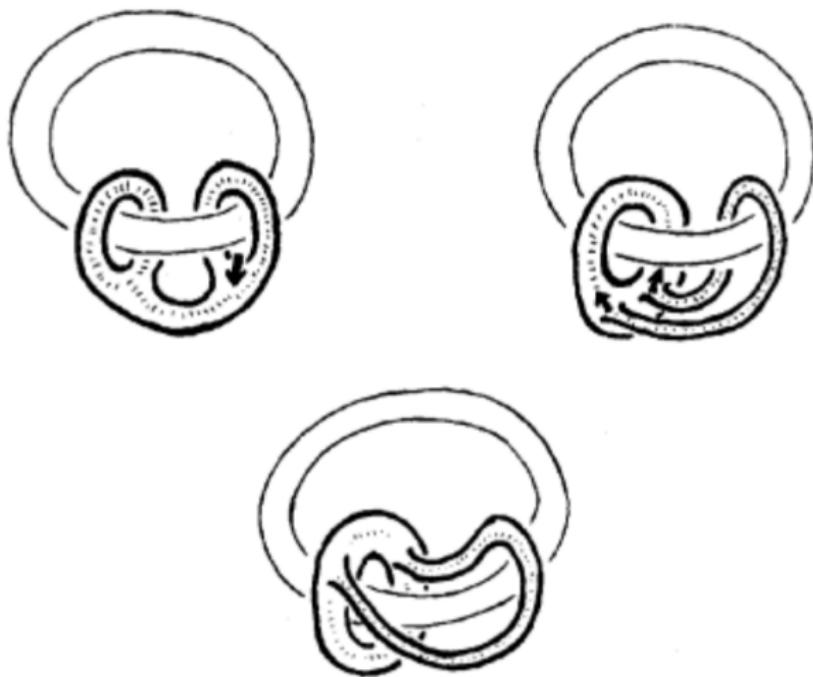


FIGURE 1.6

Illustration of an isotopy

Here's a crazier isotopy:

https://www.youtube.com/watch?v=_G0q10qAvtw

And another interesting isotopy:

<https://www.youtube.com/watch?v=k9ub2mNyd9M>