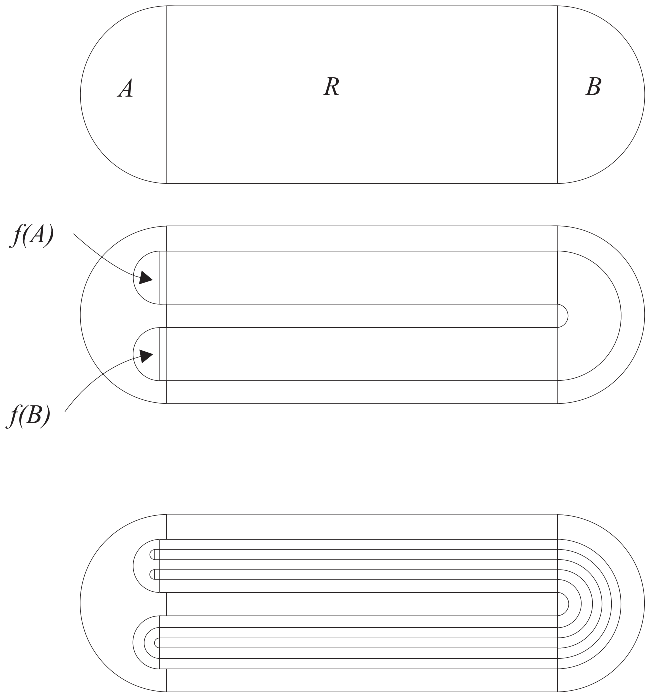

Figure 3.2.1: (C) the horse-shoe map f maps the stadium shaped region D $(A \cup R \cup B)$ in such a way, that it shrinks R vertically, stretches R horizontally, contracts the semicircles then folds the space once and places this result into itself so that $f(A)$ and $f(B)$ are in the interior of A and $f(R)$ is in the interior of D.