

2019 第四季度习题集

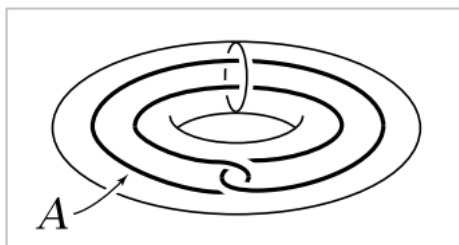
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Contents

1 Hatcher problems

Problem 1 (pg 39 problem 16.(c): *Unsolved*). $X = S^1 \times D^2$, A is the circle in the following graph, Prove that there is no retract from X to A .



Problem 2 (pg 39 problem 16.(d): *Unsolved*). $X = D^2 \vee D^2$, $A = S^1 \vee S^1$. 证明没有 X 到 A 的 retract

Problem 3