

2019 第四季度习题集

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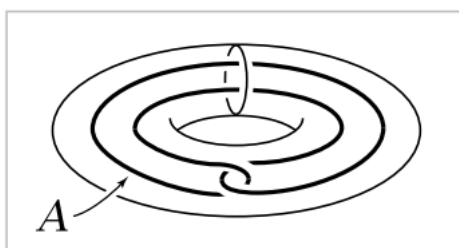
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1 Hatcher 习题

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

2 杂题

Problem 3 只有有限个素理想的戴德金 domain 是个主理想环.