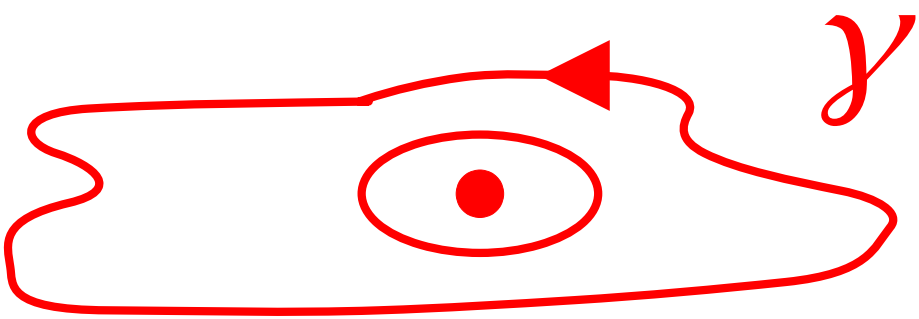
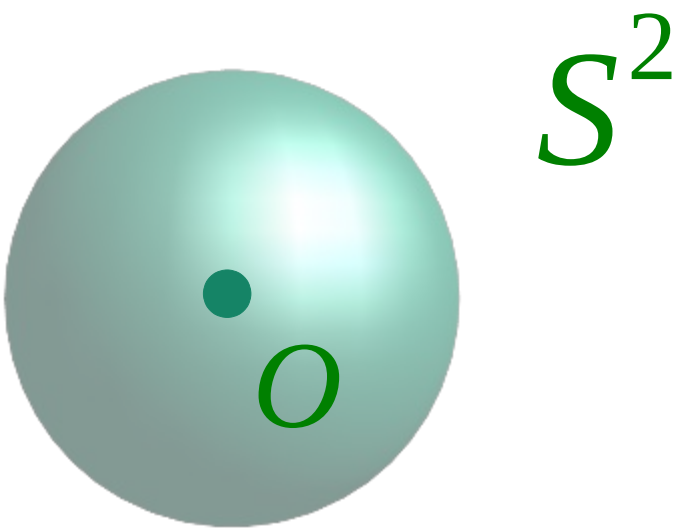
Simply connected





Not 2-connected