Lecture 1: What is a knot?

Note Title 12/23/2009

$S^n = \{x \in R^{n+1} : \|x\| = 1\}$

$= R^n \cup \{\infty\}$

$= D^n \cup D^n$ where $D^n = \{x \in R^n : \|x\| \leq 1\}$

$= \partial D^{n+1}$

$S^0 = \{-1, 1\}$

$S^1 =$