

Title Here

author here

7 January 2007

## Definitions

$K \subset S^3$  is a **knot** if it is a smooth 1–manifold embedded in  $S^3$ .

A **Seifert surface** of a knot  $K$  is a compact, connected, orientable surface  $S \subset S^3$  such that  $\delta S = K$ .

The **genus** of a knot  $K$ , denoted  $g(K)$  is the minimal genus of all Seifert surfaces with boundary  $K$ .

## References

- M. Brittenham and J. Jensen, *Knots with strict Morton's inequality*, preprint (2006)
- A. Kawauchi, *On coefficient polynomials of the skein polynomial of an oriented link*, Kobe J. Math. **11** (1994), 49 - 68