

DEFORMATIONS OF SURFACE DIAGRAMS

TSUKASA YASHIRO

A surface-knot is an embedded orientable closed surface in 4-space. A generic projection of a surface-knot into 3-space is called a surface diagram. Some surface diagrams can be deformed by crossing change operations along some nice double curves. In this talk we will show that a crossing change operation on a surface diagram can be expressed by attaching and removing 1-handles to the diagram.

OSAKA CITY UNIVERSITY