Surface-links represented by 4-charts and quandle cocycle invariants

Masahide Iwakiri
Osaka City University

Abstract. Any surface-link can be deformed into the closure of a surface braid of some degree $m$ and can be also represented by an $m$-chart. In this talk, we will study the surface-links represented by 4-charts and their quandle cocycle invariant, and show the result related to the $w$-index of surface links.