

# UFSCar

## DEPARTAMENTO DE MATEMÁTICA

### COLÓQUIO

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Falará sobre:

### Attaching a tail to annihilate coincidences

**Resumo.** We present a necessary and sufficient condition for a pair of maps from a two-complex into a graph may be homotoped to be coincidence free. As consequence of it, we obtain alternative proofs for some known results and we extend some others. As a curious application, we characterize the cases in which all the essential coincidences between two maps from certain closed surface into the circle may be annihilated by attaching a tail in the circle.

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