

# UNKNOTTING SINGULAR SURFACE BRAIDS BY CROSSING CHANGES

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ABSTRACT. C. A. Giller proved that crossing change is an unknotting operation for surfaces in 4-space. In this paper, we present such an unknotting theorem for singular surface braids, which is given when they have no branch points by S. Kamada. As a consequence, we have Giller's unknotting theorem. Recently, K. Tanaka gave a different proof of our main result.

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