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# crosscap slide

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| Canonical name | CrosscapSlide |
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| Classification | msc 54C10 |
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The **crosscap slide** is an autohomeomorphism which can be defined only for **non orientable surfaces** whose genus is greater than one.

It is also known as the y-homeomorphism. This name was coined by Lickorish and the name crosscap slide was introduced by Korkmaz.

1. D.R.J. Chillingworth. *A finite set of generators for the homeotopy group of a non-orientable surface*, Proc. Camb. Phil. Soc. 65(1969), 409-430.

2. M. Korkmaz. *Mapping Class Groups of Non-orientable Surfaces*, Geometriae Dedicata 89 (2002), 109-133.

3. W.B.R. Lickorish. *Homeomorphisms of non-orientable two-manifolds*, Math. Proc. Camb. Phil. Soc. 59 (1963), 307-317.