

— preserved under small changes

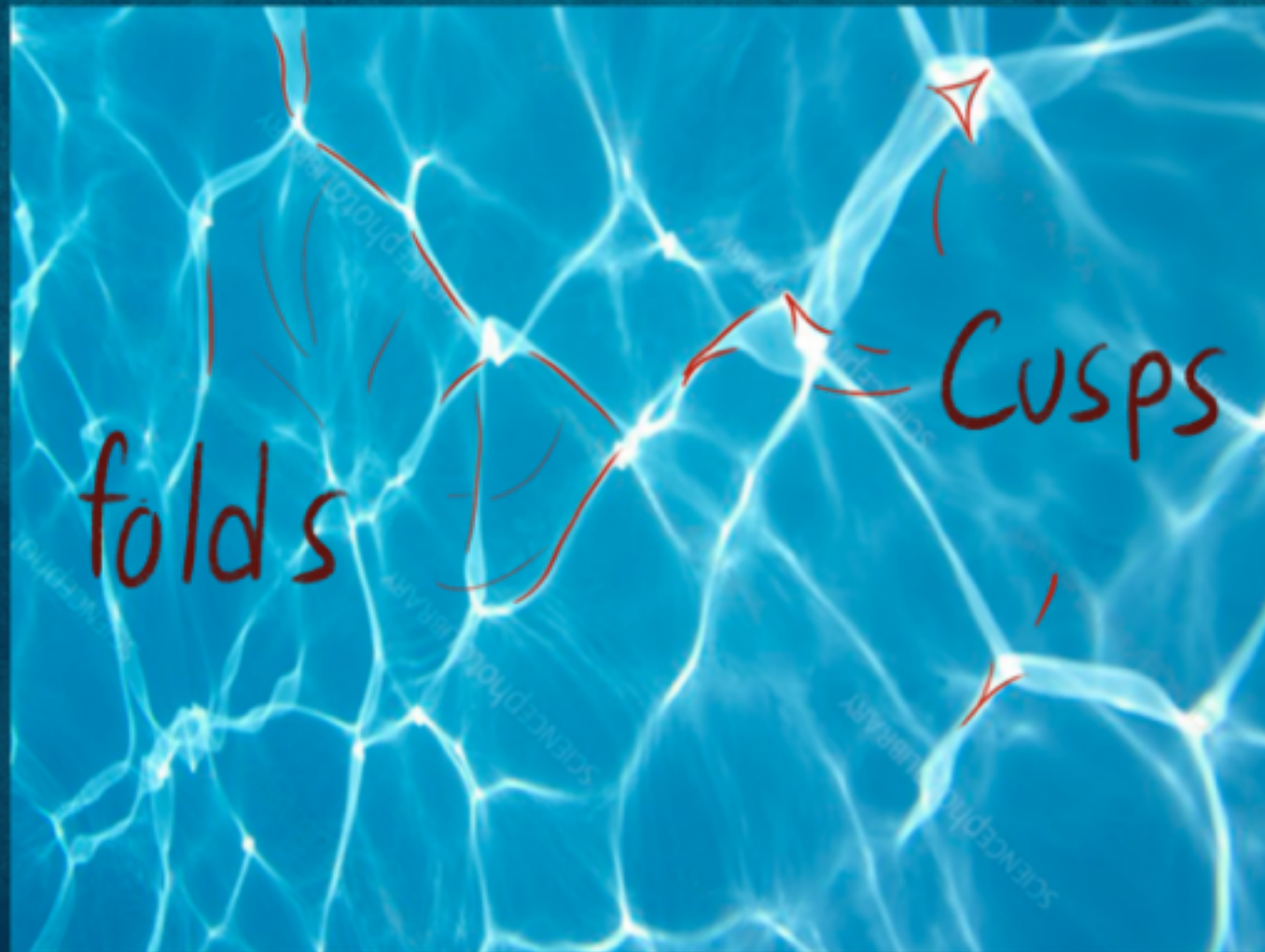




Cusps

A hand-drawn diagram of a cross. The word "Cusps" is written in the center in a dark red, cursive font. Four arrows, also in dark red, point from the word towards the four ends of the cross: one pointing up, one pointing down, one pointing left, and one pointing right.

Theorem (Whitney): folds & cusps are
only stable 2 dimensional caustics
preserved under small changes



all cusps are the same!!!
(up to change of coordinates)

We understand 2D caustics...