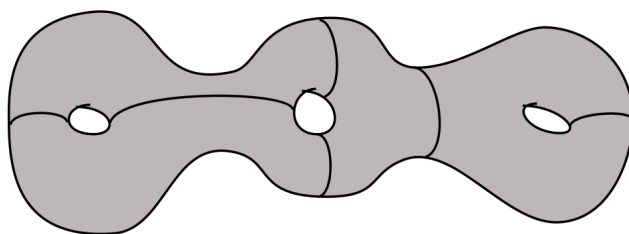


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## ToFu : Topologie eFfective et calcUl

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Projet équipe-action  
Mathematics : from Fundamentals to Applications



# 1 Capture d'écrans

## 1.1 Why retype this eqn ?

$$\begin{aligned}
 2z^2 + w^2 &= (w \quad z) \begin{pmatrix} 1 & 0 \\ 0 & 2 \end{pmatrix} \begin{pmatrix} w \\ z \end{pmatrix} \\
 &= (x \quad y) \begin{pmatrix} 2 & -2 \\ -2 & 3 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} \\
 &= 2x^2 - 4xy + 3y^2.
 \end{aligned}$$

## 1.2 Why redo these drawings ?

