

Non-Euclidean ribbons

(Levin-Siefert-Sharon-M., 2021)

wide ribbon

narrow ribbon

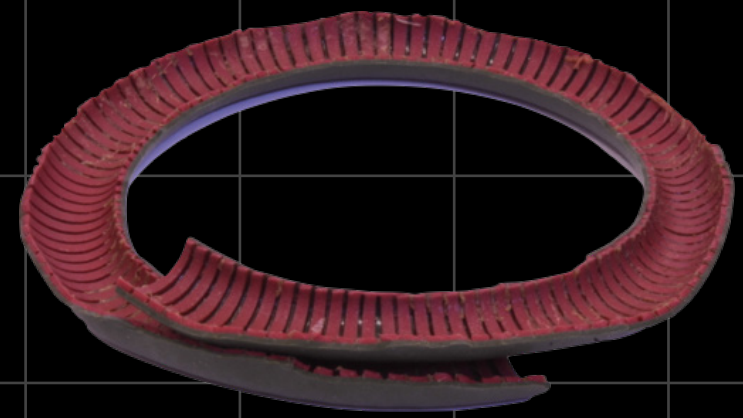
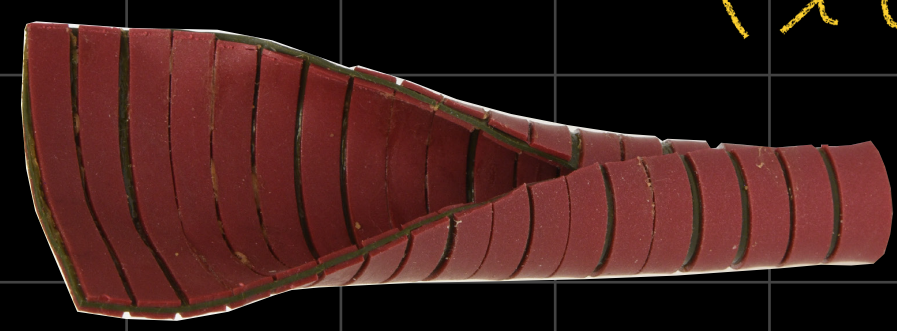
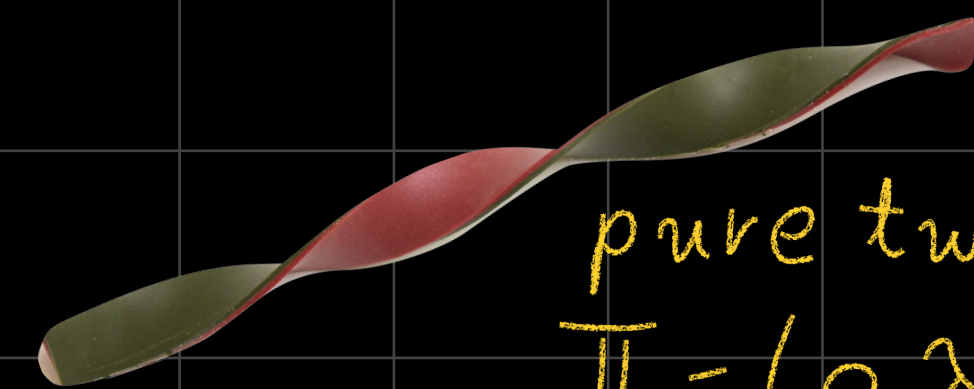
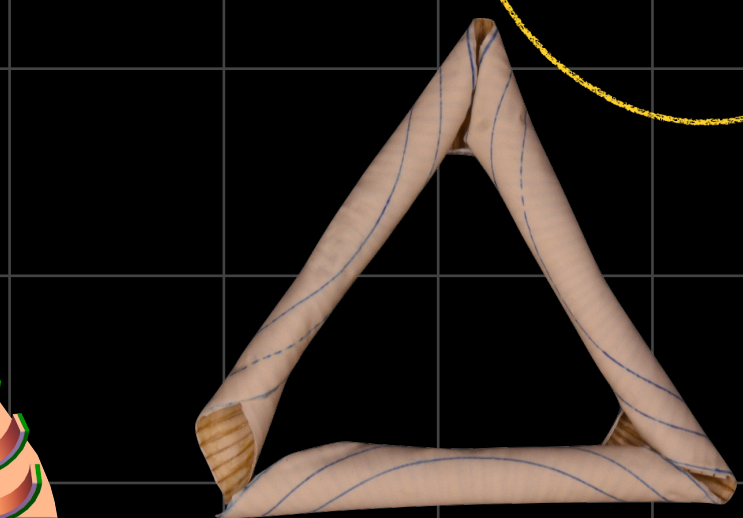
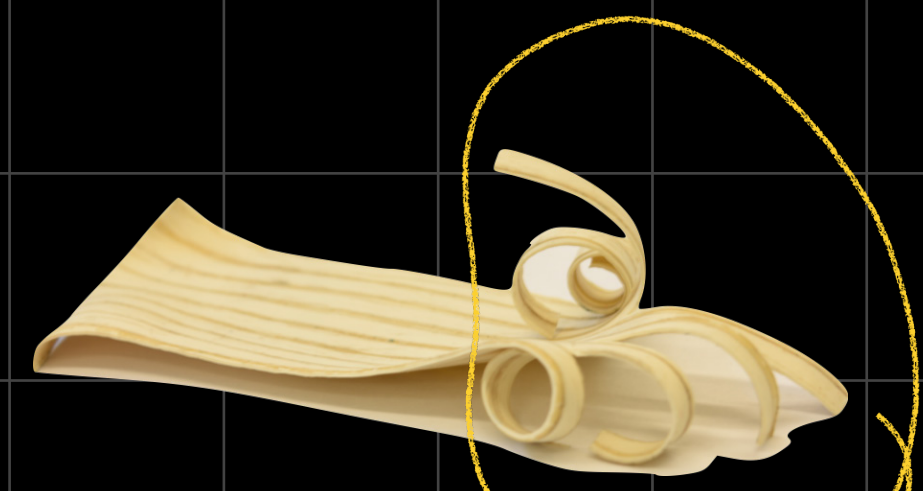
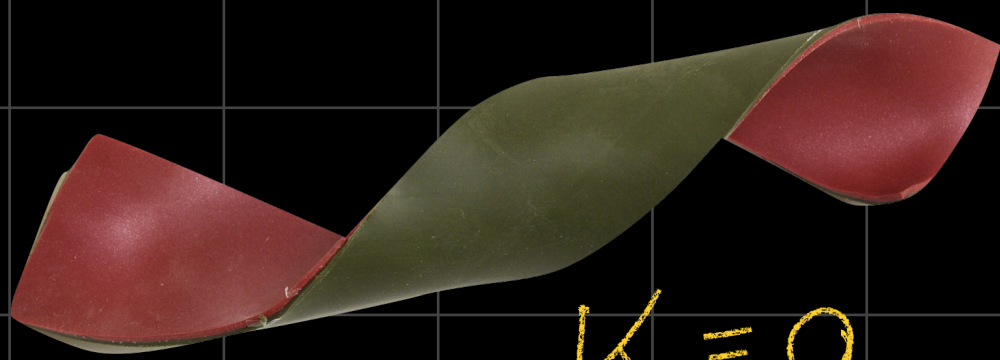
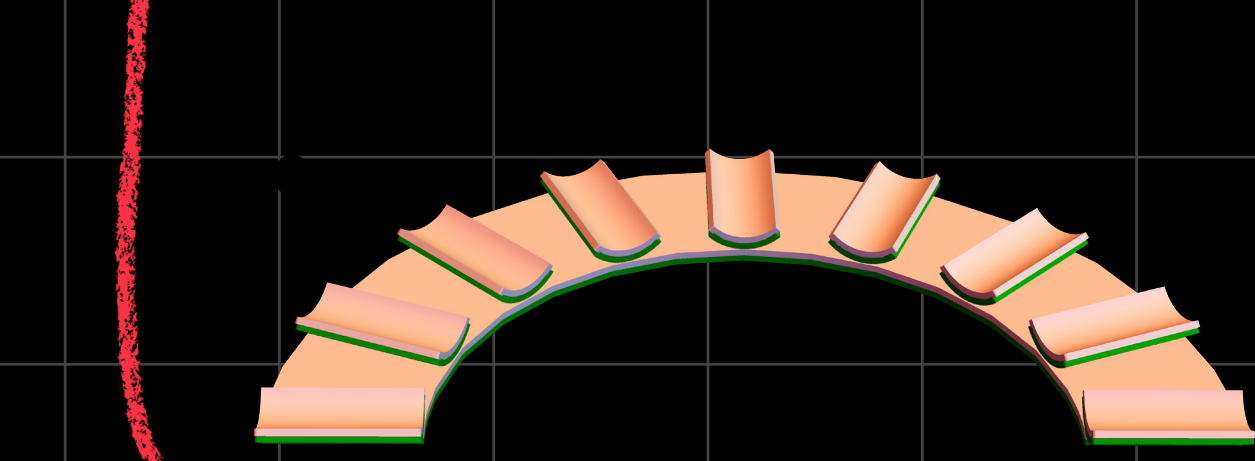
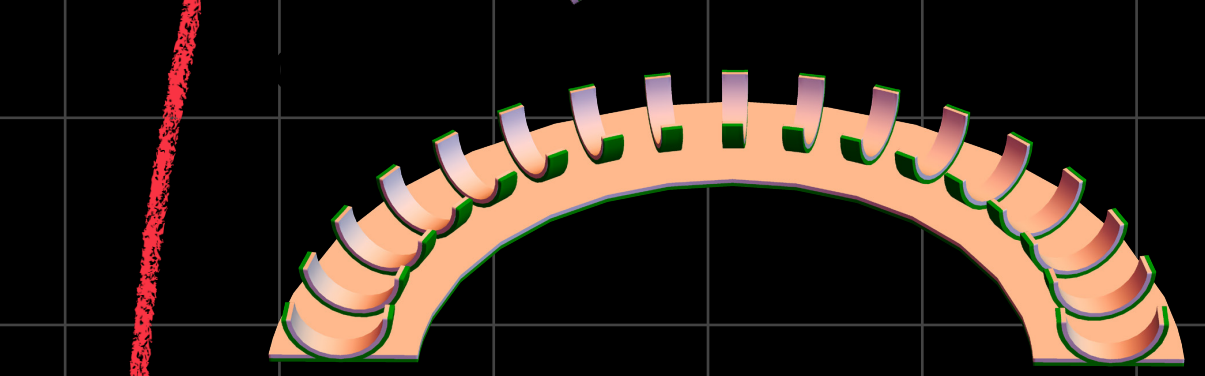
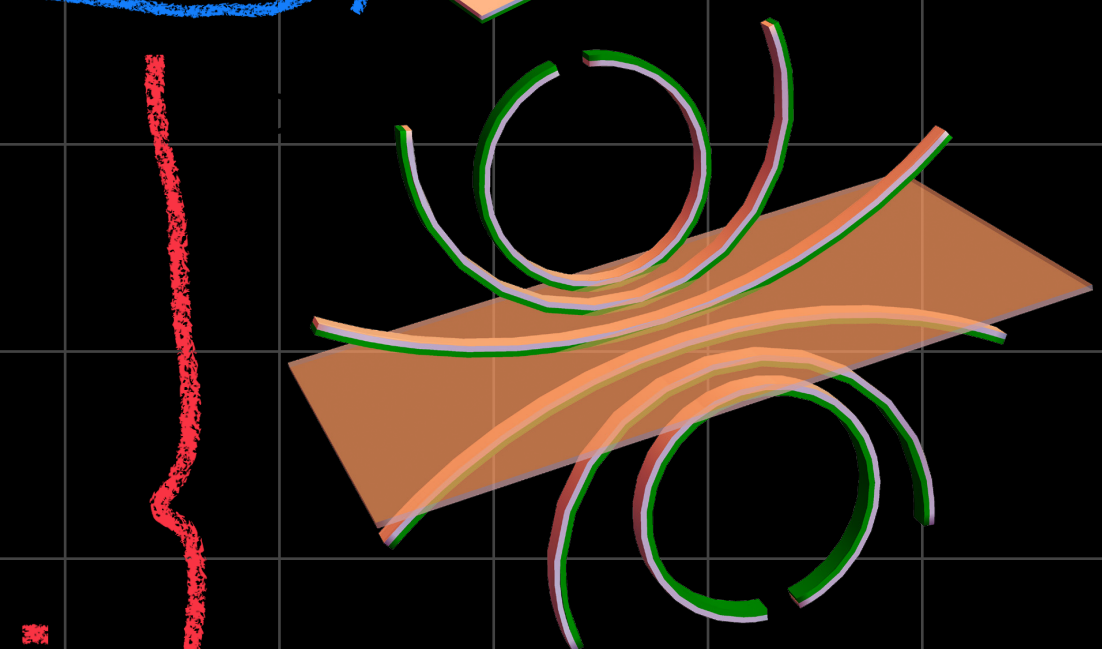
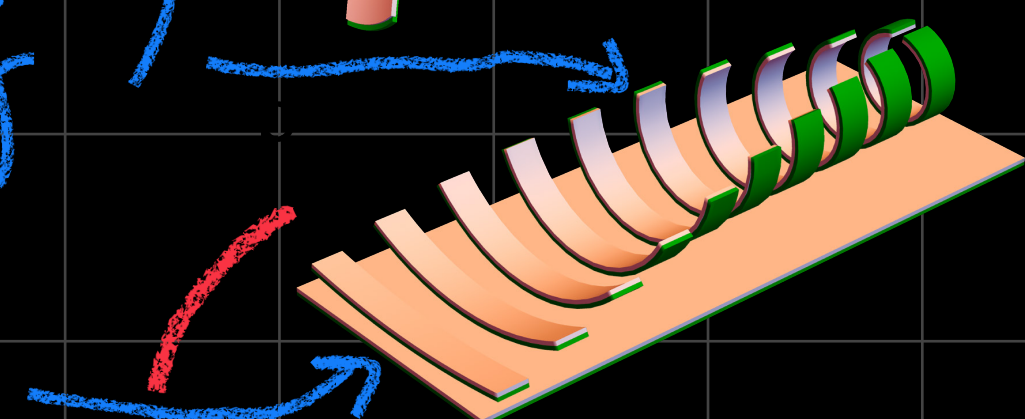
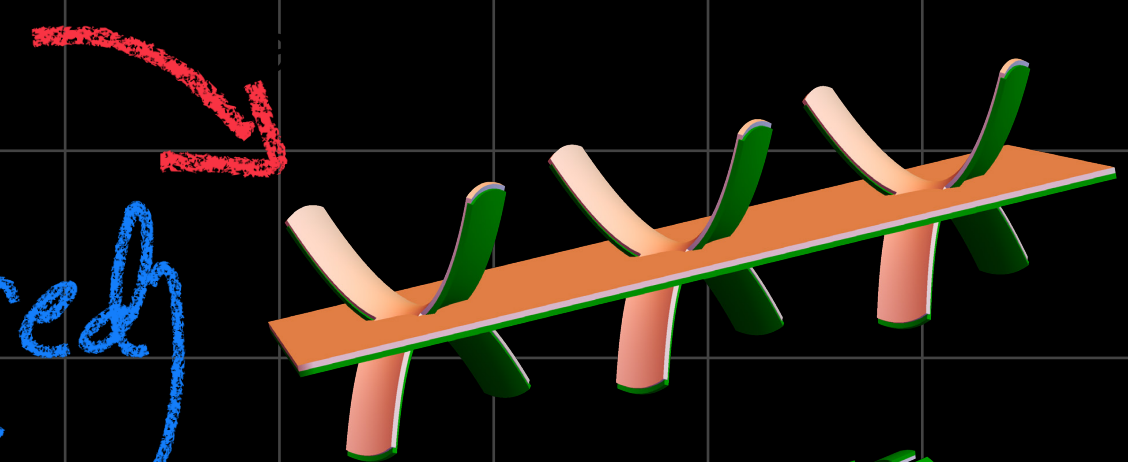
shape transition

Gauss incom.

II (preferred bending)

\bar{g} (flat)

Codazzi incompat.



pure twist
 $\mathbb{II} = \begin{pmatrix} 0 & \lambda \\ \lambda & 0 \end{pmatrix}$

✓

$t \sim w^2$

✓

$t \sim w^4$

✗

✓

$t \sim w^3$

✗

ignore!