* **Structure**

MobiusStrip class:

* \_\_init\_\_ initializes the Mobius strip's geometry.
* \_compute\_coordinates() computes parametric surface points.
* plot() visualizes the strip using matplotlib.
* surface\_area() uses numerical approximation based on the magnitude of the cross product of partial derivatives.
* edge\_length() computes boundary length for v = ±w/2.
* **Surface Area Approximation**
* Calculated using the area element .
* Used np.gradient to numerically approximate partial derivatives.
* Integrated using Simpson's rule via scipy.integrate.simps.
* **Edge Length Approximation**
* Boundary edges (both sides of the strip) are sequences of 3D points.
* Euclidean distances between consecutive points summed to get edge length.
* **Challenges**
* There was an error while importing the scipy modules as simp function is already deprecated in previous versions.
* I rectified this error by using Simpson metod.
* **Screenshots**