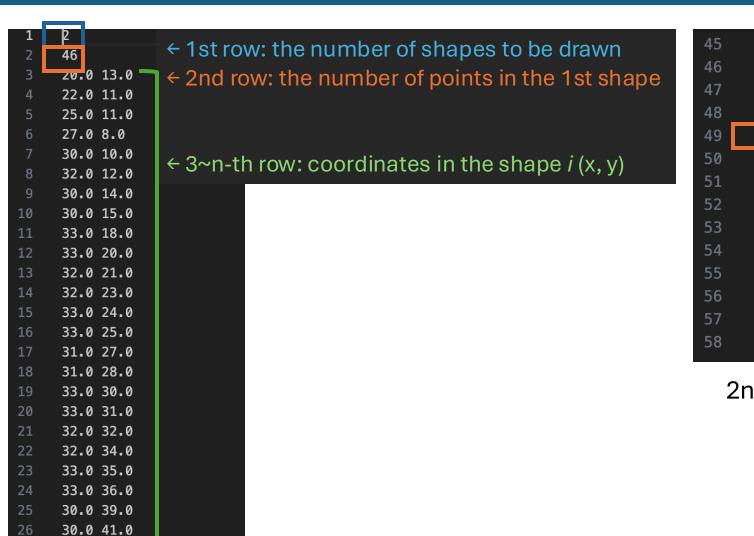
JAVA 2D/3D Project 1

Takuto ODAIRA m5281036

Analysis on the Given Vert Files

31.0 42.0 _



```
45 8.0 90.0

46 6.0 80.0

47 8.0 70.0

48 20.0 67.0

49 8

50 30.0 89.0

51 27.0 88.0

52 24.0 89.0

53 23.0 92.0

54 24.0 95.0

55 27.0 96.0

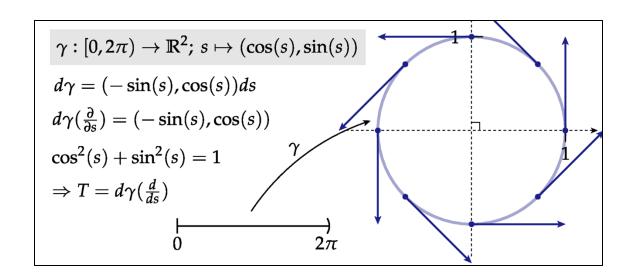
56 30.0 95.0

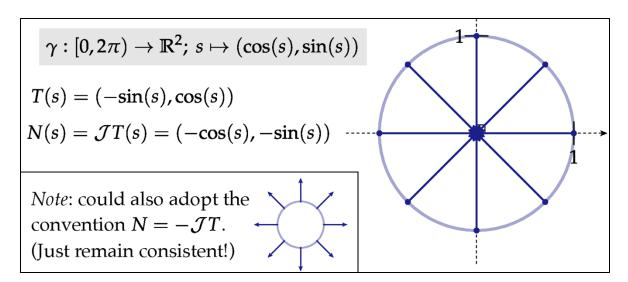
57 31.0 92.0

58
```

2nd shape

Calculation of the Unit Tangent and the Unit Normal

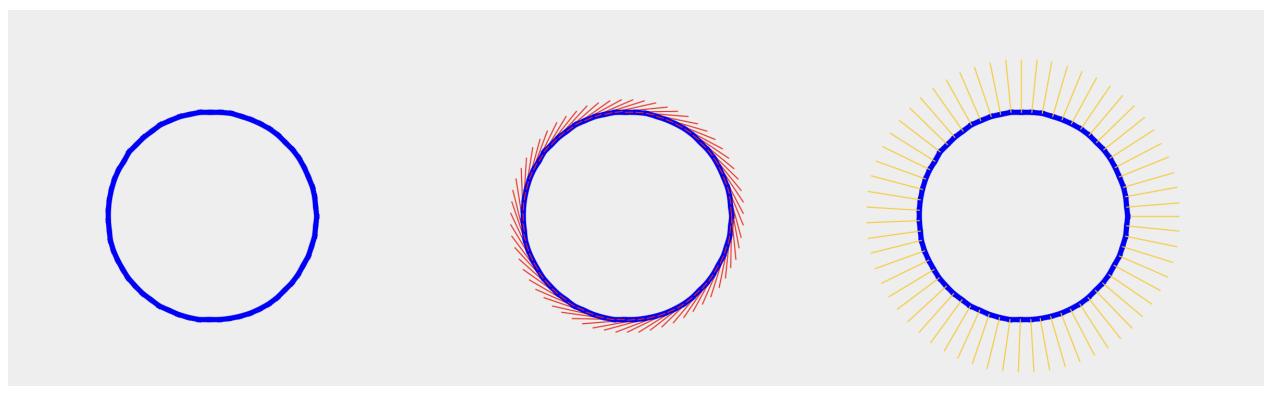




1. Unit tangent

2. Unit normal

1. disk.vert

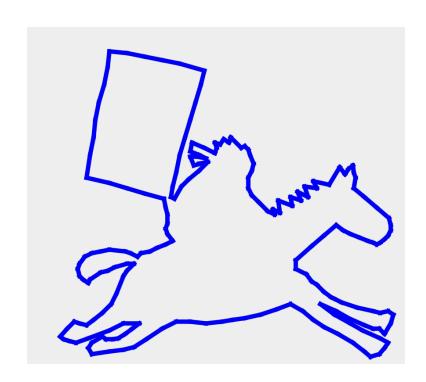


Original Discrete Curve

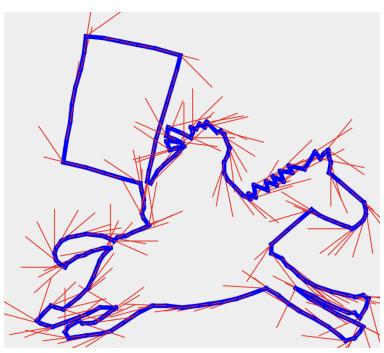
Discrete Curve with Unit Tangent

Discrete Curve with Unit Normal

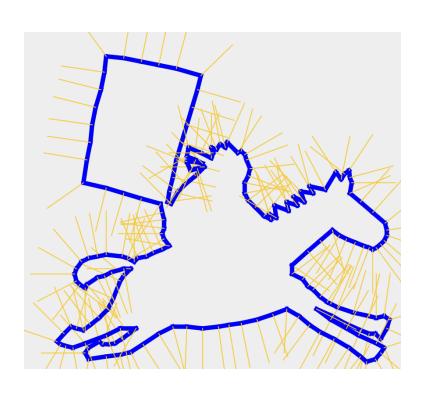
2. rider.vert (flipped vertically)



Original Discrete Curve

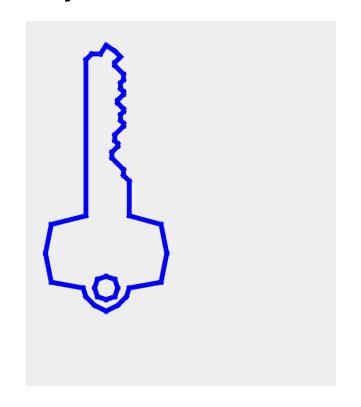


Discrete Curve with Unit Tangent

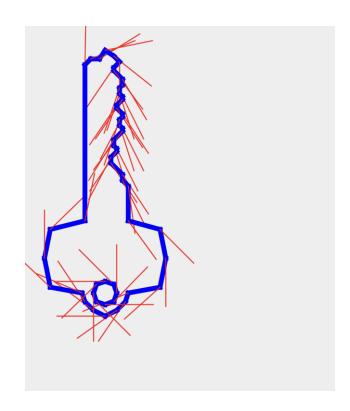


Discrete Curve with Unit Normal

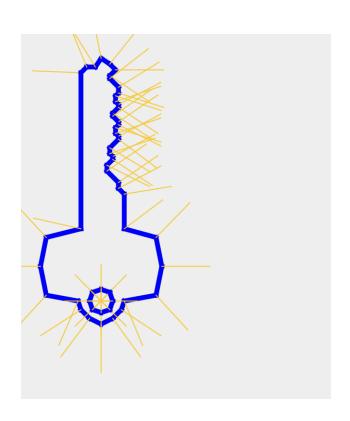
3. key.vert



Original Discrete Curve

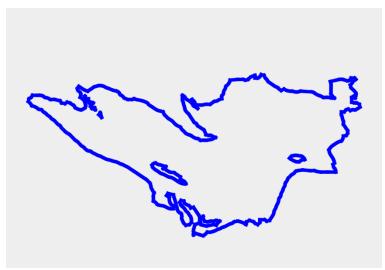


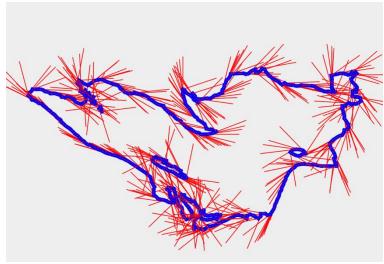
Discrete Curve with Unit Tangent

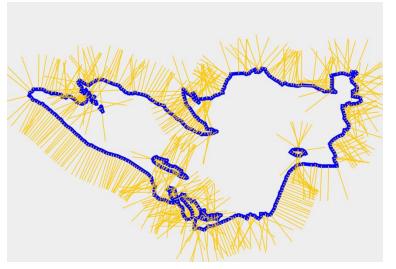


Discrete Curve with Unit Normal

4. sperior.vert







Original Discrete Curve

Discrete Curve with Unit Tangent

Discrete Curve with Unit Normal

Implementation of the evolution of the curvature flow

Not successfully implemented yet... (To be done)